



CITY OF COLORADO SPRINGS
FIRE BOARD OF APPEALS MEETING **AGENDA**
PIKES PEAK REGIONAL BUILDING DEPARTMENT
2880 INTERNATIONAL CIRCLE
January 11, 2019 – 8:30 A.M. to 10:00 A.M.

CALL TO ORDER

ADMINISTRATIVE

1. Review December 14, 2018's Fire Board of Appeal Meeting Minutes
2. Annual Election of Chair and Vice Chair
3. Annual Designation of Meeting Notification Posting Location
4. Contractor Licensing
 - A. Fire Alarm Contractor (FAC) A
 - i. Business Name: Red Rocks Fire Prevention, Inc.
 - Owners: Brian Kakac, Owner
John Kakac, Owner
 - Licensee: Brian Kakac
 - RME: Brian L. Kakac
 - B. Fire Suppression Contractor (FSC) A
 - i. Business Name: Mountain States Fire Protection, Inc.
 - Owner: James M. Kyle
 - Licensee: James M. Kyle
 - RME: Marvin E. Heath
5. Appeal
 - A. Request by Jan Zabinski, on behalf of Jan and Frances Zabinski, for relief of Colorado Springs' Fire Prevention Code and Standards, Appendix K Wildland Urban Interface Mitigation Requirements for the Hillside Overlay Zone.
Location: 1622 Cheyenne Boulevard, Colorado Springs, Colorado

DISCUSSION ITEMS

1. New Business
 - A. Fire Board of Appeals Terms – Fire Marshal Lacey
2. Follow-Up Business
 - A. Boards and Commissions Discussion - Fire Marshal Lacey
 - B. Contractor Licensing Update – R Mulder

ADJOURN

Respectfully,


Brett T. Lacey, Fire Marshal
Secretary to Fire Board of Appeals

PIKES PEAK REGIONAL BUILDING DEPARTMENT

Fire Alarm Contractor License Application

It is requested that the Fire Board of Appeals of the Colorado Springs Fire Department consider this application for the state license in compliance with the Pikes Peak Regional Building Code.

FIRE ALARM CONTRACTOR LICENSE REQUESTED (Check one)

☒ FAC-A ☐ FAC-B

RBD USE ONLY

Date 12-10-18

Initial RS

Receipt # 1562483

RBD #

Business Information

Type of Entity (Check one) ☐ Individual ☐ Partnership ☒ Corporation ☐ LLC

Business Name: Red Rocks Fire Prevention Inc.

(The business name is the name that will appear on the license and is the actual name under which the contracting business will operate.)

Federal Employer Identification Number: [REDACTED]

Business Address: 8115 Brandon Drive

Street Address

Apartment/Unit #

Littleton

CO

80125

City

State

ZIP Code

Business Phone: 720. 733. 8050

Business Email: info@rrfps.com

Business Fax: 720. 733. 0800

Business Website: rrfps.com

Company's Principal Officers, Partners, or Owners

Name: Brian Kakac

Title: owner

Name: John Kakac

Title: owner

- Number of years company has operated as a contractor? (If new, write "new") 9 years
- Type of work performed? (Check one or both, if applicable) ☒ Residential ☒ Commercial
- Has the company ever been named in or responsible for any entered and unsatisfied judgments, liens, and/or claims against them in which the company was the contractor? ☐ Yes ☒ No If yes, Explain _____
- Has the company been a defendant in a collection action court case? ☐ Yes ☒ No If yes, Explain _____
- Has the company ever declared bankruptcy? ☐ Yes ☒ No If yes, Explain _____
- Has the company ever had a license suspended or revoked? ☐ Yes ☒ No If yes, Explain _____
- Has the company ever defaulted on a contract? ☐ Yes ☒ No If yes, Explain _____

Licenses held by the Company

Jurisdiction - License type and number	Jurisdiction - License type and number
✓ Denver Electrical Signal - 1050923	Denver Fire Alarm - 155907 ✓
✓ Aurora Fire Alarm Systems 2018-1551583 06 a	Denver Burglar Alarm - B2017 BFM 0008747 ✓
✓ Colorado Fire Suppression Contractor - 18-S-0622	
✓ Denver Fire Sprinkler - 296757	

Project History (List projects in which this company worked as the contractor.)

1. Project Street Address: Lewy Park 8501 E. Alameda DNVY

Type of work (check one) ☒ Residential ☐ Commercial

Cost: \$ 12,000 Date: 10/1/18 Your position: Project manager

Describe Job in detail: Replace main FACP and all addressable devices.

2. Project Street Address: Vistas @ plum Creek 1129 W. Eaton Circle Castlerock

Type of work (check one) ☒ Residential ☐ Commercial

Cost: \$ 3500 Date: 8/1/18 Your position: Project manager

Describe Job in detail: Replace FACP & Annunciator bldg #6

3. Project Street Address: Modena River North 2840 Blake Street Denver

Type of work (check one) ☐ Residential ☒ Commercial

Cost: \$ 1,200 Date: 5/2/18 Your position: Project manager

Describe Job in detail: install AES Radio Communicator

4. Project Street Address: 2 bike Fellowship 9850 Love Tree Parkway Love tree CO

Type of work (check one) ☐ Residential ☒ Commercial

Cost: \$200 Date: 10/1/18 Your position: Project manager

Describe Job in detail: install AES Radio Communicator

5. Project Street Address: Dylan 3201 Brighton Blvd Denver

Type of work (check one) ☐ Residential ☒ Commercial

Cost: \$ 855 Date: 12/1/18 Your position: Project manager

Describe Job in detail: Annual test & inspection of Fire Alarm, Fire Sprinkler, ext. & Bellows

CERTIFICATION (The following declaration is to be signed by the principal officer of the company) The undersigned, on behalf of the company, partnership or corporation, does hereby declare and warrant that the "examinee" for a contractor's license named herein has the express authority to bind the company, partnership, or corporation by this application; and further, the company does hereby agree to abide by the ordinances and regulations promulgated by the city of Colorado Springs, El Paso County, and those adopted by the municipal entities within El Paso County in regard to any work which may be performed by our company pursuant to the contractor license for which this application is made.

Print name and title (owner, principal or manager) Brian Kokor, owner

Signature: [Signature] Date: 12/6/18

Responsible Managing Employee (RME) Information

Legal Name: Kakac Brian L
Last First M.I.

Date of Birth: 8/20/1974 Social Security Number: [REDACTED]

Address: 2115 Brandon Drive 7739 5 Waverly Mountain
Street Address Apartment/Unit #
Littleton CO 80127
City State ZIP Code

Phone: 303-317-7681 Fax: _____ Email: brian@rrfps.com

1. What is your area of expertise in the industry? Fire alarm, Fire Sprinkler, Security
2. How long have you worked in the industry? 25 years
3. What is your affiliation with the company? (Owner, partner, employee, etc.) owner
4. Have you ever been convicted of a misdemeanor or felony? ☐ Yes ☒ No If yes, Explain _____
5. Have you had a license suspended or revoked? ☐ Yes ☒ No If yes, Explain _____

6. I, the undersigned, do hereby submit application for the stated contractor's license as the RME (Responsible Managing Employee) or Licensee for the firm named herein. I do hereby expressly represent, and warrant, that I am acting in capacity of the RME/Licensee of said firm; and I hereby agree to accept the responsibilities for said company's and my own actions in connection with the contractor's license that may be granted. ☐ Yes ☐ No

Certifications

NICET #	NICET Level	Expires
<u>115955</u>	<u>IV</u>	<u>3/1/2021</u>
P.E. #	Issued	Expires
D.O.T. #	Issued	Expires

Work History

Company	Position	To	From
<u>Red Rock Fire Protection</u>	<u>owner</u>	<u>present</u>	<u>8/1/2010</u>
<u>ArkTech Fire Security</u>	<u>operational manager</u>	<u>5/1/2009</u>	<u>6/1/1997</u>

CERTIFICATION (The following declaration is to be signed by the RME) Pikes Peak Regional Building Department requires all persons seeking a license to undergo a Criminal Background Check. I hereby authorize Pikes Peak Regional Building Department to perform a Criminal Background Check utilizing information provided on this application. I agree and understand Pikes Peak Regional Building Department may deny me a license after reviewing my Criminal Background Check. If any information provided on this application is untrue, license granted to me is automatically revoked.

Print name & title (RME): Brian Kakac

Signature of (RME): [Signature] Date: 12/2/18



8115 Brandon Drive, Littleton, CO 80125
720-733-8050

December 4th, 2018

Brian Kakac is an exclusive full-time employee of Red Rocks Fire Prevention dba Red Rocks Fire Protection and has been for the past 8 years.

Sincerely,

A handwritten signature in black ink, appearing to read "John Kakac". The signature is fluid and cursive, with a large initial "J" and a stylized "K".

John Kakac
Owner
Red Rocks Fire Protection



**NATIONAL INSTITUTE FOR CERTIFICATION
IN ENGINEERING TECHNOLOGIES®**

Providing Certification Programs Since 1961



Approval Letter

Name: **Brian L. Kakac**
Date of Award: **February 1, 2018**
Certification Number: **115955**
Certification Expire Date: **03/01/2021**

It is my pleasure to inform you that recertification has been granted as follows:

FIRE PROTECTION ENGINEERING TECHNOLOGY/FIRE ALARM SYSTEMS/LEVEL IV

You will find your new wallet card attached to the bottom of this letter. Also enclosed with this letter is your new certificate. Your new three-year period of certification is printed on both your wallet card and your certificate. You will need to accumulate another 90 continuing professional development points to continue your certification beyond this new expiration date.

Prior to removing the wallet card from this letter, we advise that you make a copy of the letter for your files as the complete letter may be required as proof of certification.

The interest you have shown in your career development by obtaining professional recognition and status through certification is most commendable. On behalf of the Board of Governors, please accept our congratulations and best wishes.

Very truly yours,

Michael A. Clark
Chief Operating Executive

remove card slowly



**NATIONAL INSTITUTE FOR CERTIFICATION
IN ENGINEERING TECHNOLOGIES®**

Brian L. Kakac
FIRE ALARM SYSTEMS/IV

Brian L. Kakac
7739 S. Waverly Mountain
Littleton, CO 80127

CERT NO. 115955 VALID THRU 03/01/2021

CITY AND COUNTY OF DENVER
DENVER FIRE DEPARTMENT
NATHANSON

Colorado ★
Driver License

City and County of Denver
Community Planning and Development
www.denvergov.org/contractor_licensing

Certificate/Registration Number: CERT1050923

Certificate Type: Electrical Signal Supervisor

Expiration Date: 12/31/2019

By Authority of the Executive Director of
Community Planning and Development

Issued To:

BRIAN L KAKAC
7739 S WAVERLY MTN
LITTLETON, CO 80127

Amount	Fund/Org/Revenue Code	Payment Date	Trans #	Status
\$60.00	352500-01010-0141200-Z0000-Z0000	12/30/2016	2795426	Paid

CERTIFICATE MUST BE KEPT IN YOUR POSSESSION AT ALL TIMES

RENEWAL INFORMATION

Renewal notices will be e-mailed to e-mail address on file.
Renewal information is available at www.denvergov.org/Contractor_Licensing.

INSPECTION INFORMATION

Please provide the following information when you call for an inspection:

- ✓ Permit number
- ✓ Type of inspection and inspection code

Inspection requests called in by 12:00 a.m. will usually be scheduled for the following working day.

Inspections are performed Monday through Friday.

Community Planning and Development
201 W. COLFAX AVE DEPT 205 DENVER, COLORADO 80202

Licenses & Certificates:	720.865.2770
Permit Counter:	720.865.2705
Inspection Administration:	720.865.2505
Automated Inspection Request:	720.865.2501



**Public Works
Building Division
15151 E. Alameda Pky
Aurora, CO 80012
303-739-7420**

1323396

CONTRACTOR LICENSE

Date of Issue: 10/03/2018

Date of Expiration: 11/01/2019

License Number: 2018 1531383 00 CL

Contractor Name: RED ROCKS FIRE PROTECTION

Type of License: Fire Alarm Systems Contractor

Permits Online User

LICENSING OFFICIAL

It is the licensee's responsibility to be familiar with the City of Aurora Building Codes Division **Chapter 22 Building and Building Regulations, Article III Contractors Division 22-61 through 22-102** for contractor and supervisor licensee responsibilities.

RED ROCKS FIRE PROTECTION
8115 BRANDON DR
LITTLETON CO 80125

Cut along perforated line

Wallet

Duplicate



Public Works Building Division
15151 E. Alameda Parkway
AURORA, CO 80012
PHONE NO. (303) 739-7420



Public Works Building Division
15151 E. Alameda Parkway
AURORA, CO 80012
PHONE NO. (303) 739-7420

Valid through: 11/01/2019

Valid through: 11/01/2019

Contractor: RED ROCKS FIRE PROTECTION

Contractor: RED ROCKS FIRE PROTECTION

Type of License: Fire Alarm Systems Contractor

Type of License: Fire Alarm Systems Contractor

License #: 2018 1531383 00 CL

License #: 2018 1531383 00 CL

A signed license by license official should be
maintained in your files.

A signed license by license official should be
maintained in your files.

STATE OF COLORADO
Division of Fire Prevention and Control



18-S-06822

Be It Known That
Red Rocks Fire Prevention dba Red Rocks Fire Protection

John Kakac-Principal
*Has Successfully Completed All Requirements
to Become Registered*
Fire Suppression Systems Contractor

Issued On
June 4, 2018

Expiring On, Unless Earlier Revoked
December 31, 2018

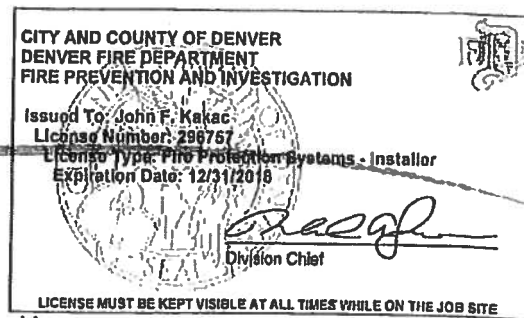
In Accordance With
8 CCR 1507-11

Fire & Life Safety Section
Division of Fire Prevention & Control
700 Kipling Street, Suite 4100
Denver, CO 80215

Mike Morgan, Director



Denver Fire Department
Fire Prevention And Investigation
745 West Colfax Avenue
Denver, Colorado 80204



Issued to:
John F. Kakac
1215 Laurenwood Way
Highlands Ranch, CO 80129

01/03/2018

Dear John F. Kakac:

Thank you for renewing your license for:

**JOURNEYMAN INSTALLER
OF AUTOMATIC FIRE SPRINKLER/STANDPIPE SYSTEMS**

Compliance

A readily visible Denver Department of Safety license is required to perform installation, maintenance or inspection services on fire protection systems within the City and County of Denver. Performance of any of these services while not in possession of a current and valid license (or official registration as an apprentice installer) will result in the issuance of a Denver County Court summons. Denver Fire Department Fire Prevention and Investigation Division personnel visit project job sites frequently and will be asking to see your license. Therefore, you are asked to keep this license with you at all times and readily visible when you are on a job site.

Effective 4/06, each new license is laminated and comes with a lanyard for wearing it around your neck, or you may clip the license to your shirt or jacket pocket. The lanyard is of breakaway design for safety purposes. You may also slip the license into a pocket when doing work where a hanging license could be in your way. (NOTE: If you already have a license and it is not laminated, you may bring it in to Fire Headquarters at 745 West Colfax Avenue and we will laminate it for you and give you a lanyard.)

Future Renewals

This license is effective for calendar year 2018 and must be renewed annually. In years when the Fire and Building Codes are revised (generally every three years), you will need to apply for and take a revised test. In non-code-revision years, you may renew your license upon payment of a renewal fee. The next code revision will be in 2018. Following is a summary of the renewal process for the next several years:

The Denver Fire Department will send you a renewal notice at the end of each calendar year. It is your responsibility to keep us updated with new contact information if you have a new employer or if your home address changes.

Contact Information

If you have any questions related to the Denver Department of Safety licensing program, please contact the Fire Prevention and Investigation Division at 720-913-3474. It is also important to periodically visit our web page at www.denvergov.org/dfd and click on the Licensing icon for updates and notifications within the licensing program.

Sincerely,

Manuel J. Almaguer, Division Chief
Fire Prevention Division



CITY AND COUNTY OF DENVER
DEPARTMENT OF EXCISE AND LICENSES
201 W. COLFAX AVE DEPT #206
DENVER, COLORADO 80202
TELEPHONE: (720) 865-2740

BUSINESS - PROFESSIONAL LICENSE
POST IN CONSPICUOUS PLACE

BUSINESS FILE NO.: 2017-BFN-0008747

STATE LIC NO.:

OP: GH

ISSUE DATE
11/16/2018

APPLICATION DATE: 11/13/2018

RED ROCKS FIRE PROTECTION

1215 LAURENWOOD WAY
HIGHLANDS RANCH, CO 80129

EXPIRES
11/27/2019

<u>LICENSE</u>	<u>LICFEE</u>	<u>APPFEE</u>	<u>DATE PAID</u>	<u>FUND/ORG</u>	<u>REVENUE</u>
Burglar Alarm System Company License Fee	\$50.00	\$0.00	11/14/2018	01010-4001100	R404100

COMMENTS

IT IS THE LICENSEE'S RESPONSIBILITY TO RENEW PRIOR TO THE EXPIRATION DATE LISTED ON THIS LICENSE. IT SHALL BE UNLAWFUL TO OPERATE AFTER THE EXPIRATION DATE UNLESS THE LICENSEE HAS FILED A COMPLETE RENEWAL APPLICATION AND PAID ALL REQUISITE FEES. THE LICENSE WILL BE ADMINISTRATIVELY CLOSED AND ALL LICENSE PRIVILEGES WILL BE FORFEITED IF IT IS NOT RENEWED WITHIN 90 DAYS OF THE EXPIRATION DATE. COMPLIANCE WITH ALL PROVISIONS OF THE DENVER REVISED MUNICIPAL CODE, INCLUDING COMPLIANCE WITH ARTICLE IV OF CHAPTER 28, IS A CONDITION OF THIS LICENSE. THIS LICENSE COVERS ONLY THOSE ACTIVITIES LISTED.

Ashley Kilroy
Director, Excise and Licenses

Brandon J. Hansen
Chief Financial Officer



REDROCK-01

DCLEMENTS

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
09/12/2018

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
DC Insurers-Mountain, LLC
3705 Kipling St # 106
Wheat Ridge, CO 80033

CONTACT NAME: Deborah Clements

PHONE

(A/C, No, Ext):

FAX

(A/C, No):

E-MAIL

Address: debi@dcinsurers.com

INSURER(S) AFFORDING COVERAGE

NAIC #

INSURER A: Secura

22543

INSURER B: Auto-Owners Insurance Company

INSURER C:

INSURER D:

INSURER E:

INSURER F:

INSURED

Red Rocks Fire Prevention Inc. dba Red Rocks Fire
Protection
P O Box 830876
Littleton, CO 80163

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR	TYPE OF INSURANCE	ADOL	SUBR	POLICY NUMBER	POLICY EFF	POLICY EXP	LIMITS
LTB		INSD	WVD		(MM/DD/YYYY)	(MM/DD/YYYY)	
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER			CP003233526	02/11/2018	02/11/2019	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMPROP AGG \$ 2,000,000 ERRORS OMISSION \$ 250,000
B	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input checked="" type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			4872449501	07/30/2018	07/30/2019	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> EXCESS LIAB <input checked="" type="checkbox"/> OCCUR CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			CU003233527	02/11/2018	02/11/2019	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/ MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	74018823	02/19/2018	02/19/2019	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
A	Commercial General L			CP003233528	02/11/2018	02/11/2019	E & O 250,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
INSPECTION SERVICE OF FIRE SUPPRESSION SYSTEMS

CERTIFICATE HOLDER

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

ACORD 25 (2018/03)

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OFFICE OF THE SECRETARY OF STATE
OF THE STATE OF COLORADO

CERTIFICATE OF FACT OF GOOD STANDING

I, Wayne W. Williams, as the Secretary of State of the State of Colorado, hereby certify that, according to the records of this office,

Red Rocks Fire Prevention, Inc.

is a

Corporation

formed or registered on 06/29/2010 under the law of Colorado, has complied with all applicable requirements of this office, and is in good standing with this office. This entity has been assigned entity identification number 20101368105 .

This certificate reflects facts established or disclosed by documents delivered to this office on paper through 12/04/2018 that have been posted, and by documents delivered to this office electronically through 12/05/2018 @ 14:40:48 .

I have affixed hereto the Great Seal of the State of Colorado and duly generated, executed, and issued this official certificate at Denver, Colorado on 12/05/2018 @ 14:40:48 in accordance with applicable law. This certificate is assigned Confirmation Number 11261716 .



Secretary of State of the State of Colorado

*****End of Certificate*****

Notice: A certificate issued electronically from the Colorado Secretary of State's Web site is fully and immediately valid and effective. However, as an option, the issuance and validity of a certificate obtained electronically may be established by visiting the Validate a Certificate page of the Secretary of State's Web site, <http://www.sos.state.co.us/biz/CertificateSearchCriteria.do> entering the certificate's confirmation number displayed on the certificate, and following the instructions displayed. Confirming the issuance of a certificate is merely optional and is not necessary to the valid and effective issuance of a certificate. For more information, visit our Web site, <http://www.sos.state.co.us/> click "Businesses, trademarks, trade names" and select "Frequently Asked Questions."

BRIAN KAKAC

7739 S. Waverly Mountain · 303-317-7681
brian@rrfps.com

25 years dedicated to the fire alarm, fire prevention trade. Expert in fire alarm systems from design to installation.

EXPERIENCE

AUGUST 1ST 2010 – PRESENT

OWNER/OPERATIONS MANAGER, RED ROCKS FIRE PROTECTION INC.

Run fire alarm, fire sprinkler service, testing and installation company.

JANUARY 1ST 1997 – MAY 1ST 2009

OPERATIONS MANAGER, ARK FIRE AND SECURITY

Manage all projects for fire alarm and security system installations. Run service department, test and inspection department, and daily operations.

CERTIFICATIONS

MARCH 1ST 2016

NICET IV, 11595

ELECTRICAL SIGNAL SUPERVISOR, CITY OF DENVER- 1999- PRESENT

LIC# 1050923

DENVER FIRE- FIRE ALARM SYSTEM INSTALLER

LIC# 155907

SKILLS

- Factory trained in many fire alarm systems
- Experienced field technician
- Certified in AES radios
- Ability to manage multiple projects and crews
- Experienced at training new employees



PIKES PEAK REGIONAL BUILDING DEPARTMENT

2880 International Circle
Colorado Springs, Colorado 80910
Website: <http://www.pprbd.org>

12/10/2018 4:06:06 PM
(ROSE)
Receipt #: 1562483

Invoice

Customer: Red Rocks Fire

Transaction Summary			
Account	Description	Reference	Amount
1301-40036	CONTRACTOR FEES APPLICATION	App Fee	\$50.00
1301-40112	CONVENIENCE FEE WESTERN UNION SPEEDPAY (TELEPHONE) FEE		\$3.50

Total Due: \$53.50

Payment Summary			
Account	Description	Reference	Amount
9801-55700	COLLECTION, VISA/Master-Card	667188	\$53.50

Total Tendered: \$53.50

Comment: APPLICATION

I agree to pay above total amount according to card issuer agreement.

PIKES PEAK REGIONAL BUILDING DEPARTMENT

Fire Suppression Contractor License Application

It is requested that the Fire Board of Appeals of the Colorado Springs Fire Department consider this application for the state license in compliance with the Pikes Peak Regional Building Code.

RBD USE ONLY

Date 12-17-2018
Initial SE
Receipt # 1564168
RBD # 11643

FIRE SUPPRESSION CONTRACTOR LICENSE REQUESTED (Check one)

☒ FSC-A ☐ FSC-B ☐ FSC-C ☐ FSC-D ☐ FSC-H ☐ FSC-M

Business Information

Type of Entity (Check one) ☐ Individual ☐ Partnership ☐ Corporation ☐ LLC

Business Name: Mountain States Fire Protection
(The business name is the name that will appear on the license and is the actual name under which the contracting business will operate.)

Federal Employer Identification Number: [REDACTED]

Business Address: 1220 South Inca Street
Street Address City State ZIP Code
DENVER CO 80223

Business Phone: 303 778 8193 Business Email: mtvnstates@outlook.com

Business Fax: 303 778 8205 Business Website:

Company's Principal Officers, Partners, or Owners

Name: James M. Kyle Title: Owner

Name: Title:

Name: Title:

1. Number of years the company has operated as a contractor? (If new, write "new") 46

2. What is the company's area of specialties? Fire Suppression Systems

Type of work performed? (Check one or both, if applicable) ☒ Residential ☒ Commercial

3. Has the company ever been named in or responsible for any entered and unsatisfied judgments, liens, and/or claims against them in which the company was the contractor? ☐ Yes ☒ No If yes, Explain

4. Has the company been a defendant in a collection action court case? ☐ Yes ☒ No If yes, Explain

5. Has the company ever declared bankruptcy? ☐ Yes ☒ No If yes, Explain

6. Has the company ever had a license suspended or revoked? ☐ Yes ☒ No If yes, Explain

7. Has the company ever defaulted on a contract? ☐ Yes ☒ No If yes, Explain

Responsible Managing Employee (RME) Information

Legal Name: HEATH MARVIN E
Last First M.I.

Date of Birth: 5/5/1953 Social Security Number [REDACTED]

Address: 1961 W. KENTUCKY AVE.
Street Address Apartment/Unit #
DENVER CO 80223
City State ZIP Code

Phone: 720.273.8259 Fax: [REDACTED] Email: MARVIN@MTNSTATESFIREPRO.COM

- What is your area of expertise in the industry? INSTALLATION, SALES, DESIGN OF SPK SYSTEMS
 - How long have you worked in the industry? 45 YEARS
 - What is your affiliation with the company? (Owner, partner, employee, etc.) EMPLOYEE
 - Have you ever been convicted of a misdemeanor or felony? ☐ Yes ☒ No If yes, Explain _____
 - Have you had a license suspended or revoked? ☐ Yes ☒ No If yes, Explain _____
6. I, the undersigned, do hereby submit application for the stated contractor's license as the RME (Responsible Managing Employee) or Licensee for the firm named herein. I do hereby expressly represent, and warrant, that I am acting in capacity of the RME/Licensee of said firm; and I hereby agree to accept the responsibilities for said company's and my own actions in connection with the contractor's license that may be granted. ☒ Yes ☐ No

Certifications

NICET #	NICET Level	Expires
<u>079201</u>	<u>IV</u>	<u>5.1.2020</u>
P.E. #	Issued	Expires
D.O.T. #	Issued	Expires

Work History

Company	Position	To	From
<u>MT STATES F.P.</u>	<u>DESIGN/SALES</u>	<u>CURRENT</u>	<u>8.2012</u>
<u>CENTRAL F.P.</u>	<u>DESIGN SALES</u>	<u>8.2012</u>	<u>1990</u>

CERTIFICATION (The following declaration is to be signed by the RME) Pikes Peak Regional Building Department requires all persons seeking a license to undergo a Criminal Background Check. I hereby authorize Pikes Peak Regional Building Department to perform a Criminal Background Check utilizing information provided on this application. I agree and understand Pikes Peak Regional Building Department may deny me a license after reviewing my Criminal Background Check. If any information provided on this application is untrue, license granted to me is automatically revoked.

Print name & title (RME): MARVIN E. HEATH PROJECT ENGINEER/ESTIMATOR
 Signature of (RME): [Signature] Date: 12.11.18

Project History (List projects in which this company worked as the contractor.)

1. Project Street Address: Cherry Creek Mall 3000 E. 1st Ave Denver 80206

Type of work (check one) ☐ Residential ☒ Commercial

Cost: 200K + Date: Ongoing Your position: Subcontractor Fire Suppression

Describe Job in detail: We are the exclusive fire protection contractor for the mall. We work with various contractors

2. Project Street Address: Evans WTP - Evans, Co

Type of work (check one) ☐ Residential ☒ Commercial

Cost: 26K Date: 2017 Your position: Fire Suppression Contractor

Describe Job in detail: Subcontracted to Greeney Construction to install system

3. Project Street Address: Roxborough Water Treatment Plant - Colorado

Type of work (check one) ☐ Residential ☒ Commercial

Cost: 220K Date: 2017 Your position: Fire Suppression Contractor

Describe Job in detail: Sub Contracted to Greeney Construction to install system

4. Project Street Address: 3995 Inca St - Inca Townhomes

Type of work (check one) ☐ Residential ☒ Commercial

Cost: 49K Date: Ongoing Your position: Fire Suppression Contractor

Describe Job in detail: Sub contracted to Mosley Construction to install systems

5. Project Street Address: 9990 Park Meadows PSC

Type of work (check one) ☐ Residential ☒ Commercial

Cost: 103K Date: Ongoing Your position: Fire Suppression Contractor

Describe Job in detail: Sub contracted to A.J. Miller to install systems

CERTIFICATION (The following declaration is to be signed by the principal officer of the company) The undersigned, on behalf of the company, partnership or corporation, does hereby declare and warrant that the "examinee" for a contractor's license named herein has the express authority to bind the company, partnership, or corporation by this application; and further, the company does hereby agree to abide by the ordinances and regulations promulgated by the City of Colorado Springs, El Paso County, and those adopted by the municipal entities within El Paso County in regard to any work which may be performed by our company pursuant to the contractor license for which this application is made.

Print Name and title (owner, principal or manager) James M. Kyle

Signature: [Signature]

Date: 12/17/18

Licensee Information

Legal Name: Kyle James M
Last First MI

Date of Birth: 9/29/1961 Social Security Number: [REDACTED]

Address: 213 Tonn Valley
Street Address

Evergreen CO 80439
City State ZIP Code

Phone: 303 778 8193 Fax: 303 778-8205 Email: mtstates@outlook.com

- What is your area of expertise in the industry? _____
- How long have you worked in the industry? _____
- What is your affiliation with the company? (Owner, partner, employee, etc.) _____
- Have you ever been convicted of a misdemeanor or felony? ☐ Yes ☐ No If yes, Explain _____
- Have you had a license suspended or revoked? ☐ Yes ☐ No If yes, Explain _____
- The examinee understands that direct supervision and control includes any one or a combination of the following activities: supervising, managing construction activities by making technical and administrative decisions, checking jobs for proper workmanship, or direct supervision on job sites. Will you, as the qualifying individual, perform one or more of these duties? ☐ Yes ☐ No

Certifications

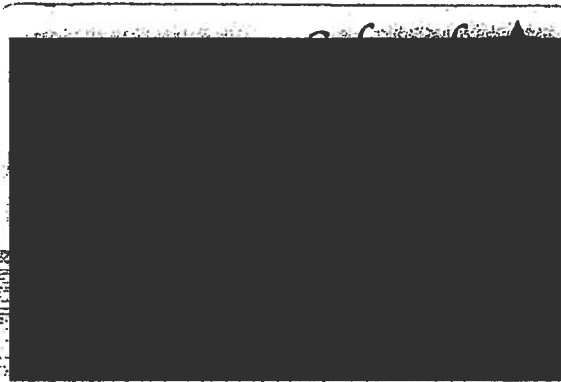
NICET #	NICET Level	Expires
P.E. #	Issued	Expires
D.O.T. #	Issued	Expires

Work History

Company	Position	To	From
Mountain States Fire Pro	pipe fitter	1979	Present

CERTIFICATION (The following declaration is to be signed by the Licensee) Pikes Peak Regional Building Department requires all persons seeking a license to undergo a Criminal Background Check. I hereby authorize Pikes Peak Regional Building Department to perform a Criminal Background Check utilizing information provided on this application. I agree and understand Pikes Peak Regional Building Department may deny me a license after reviewing my Criminal Background Check. If any information provided on this application is untrue, license granted to me is automatically revoked.

Print name & title (Licensee): James M. Kyle - owner
 Signature of (Licensee): [Signature] Date: 12/17/18



NATIONAL INSTITUTE FOR CERTIFICATION
IN ENGINEERING TECHNOLOGIES®

Marvin E. Heath

WATER-BASED SYSTEMS LAYOUT/IV

CERT NO. 79201 VALID THRU 05/01/2030

PIKES PEAK REGIONAL BUILDING DEPARTMENT**Contractor -- MOUNTAIN STATES FIRE PRO INC (11643)****Status: INACTIVE****Type of Business: Corporation****In Business Since: 01-Jan-1950****DID NOT RENEW 11-30-15****1220 S INCA ST****DENVER, CO 80223****Phone: (303) 778-8193****Fax: (303) 228-8203****Officer #1: KYLE, NATHAN-OWNER****Officer #2: KYLE, DANIEL-PRES****LICENSES**

Last Name	First Name	D	T	Cat	Subcat	Phone	Expires	Renewed
KYLE	DANIEL	B	D	7A	FSC-A	(303) 791-8991	11/30/2015	10/28/2014

OBLIGATIONS

T	Agency	Reference #	Expires
L - Liability	THE HARTFORD	RFSCAK0000200 0	11/25/2016
N - Nicet	NICET (FSC-A)	HEATH 79201	05/01/2017
W - Workers Comp.	PINNACOL ASSURANCE	4045561	10/01/2016



MOUNTAIN STATES FIRE PROTECTION
1220 SOUTH INCA STREET * DENVER, COLORADO 80223
303-778-8193

December 11, 2018

To Whom It May Concern:

Please allow this letter to state that Marvin Heath is a full-time employee of Mountain States Fire Protection and has been for over 10 years.

Please let me know if you have any questions.

Sincerely,

James M. Kyle
Owner
Mountain States Fire Protection

A handwritten signature in dark ink, appearing to be "J. Kyle", written over several horizontal lines.



PIKES PEAK REGIONAL BUILDING DEPARTMENT

2880 International Circle
Colorado Springs, Colorado 80910
Website: <http://www.pprbd.org>

12/17/2018 2:05:07 PM
(SABRINA)
Receipt #: 1564169

Invoice

Contractor: MOUNTAIN STATES FIRE PRO INC (11643)

Transaction Summary				
Account	Description		Reference	Amount
1301-40036	CONTRACTOR FEES APPLICATION		APP FEE	\$50.00
1301-40112	CONVENIENCE FEE WESTERN UNION SPEEDPAY (TELEPHONE)		FEE	\$3.50

Total Due: \$53.50

Payment Summary				
Account	Description		Reference	Amount
9801-55700	COLLECTION, VISA/Master-Card		668672	\$53.50

Total Tendered: \$53.50

Comment:

I agree to pay above total amount according to card issuer agreement.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
12/20/2018

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).


PRODUCER CRS Insurance Brokerage 6600 E Hampden Ave Denver CO 80224	CONTACT NAME: Scott Anderson, CIC	
	PHONE (A/C, No, Ext): 303-996-7833	FAX (A/C, No): 303-757-7719
INSURED Mountain States Fire Protection 1220 South Inca Street Denver CO 80223	E-MAIL ADDRESS: sanderson@crsdenver.com	
	INSURER(S) AFFORDING COVERAGE	
	INSURER A: Lloyd's of London	
	INSURER B: Westfield Insurance	
	INSURER C: Pinnacol Assurance	
	INSURER D:	
INSURER E:		
INSURER F:		

COVERAGES **CERTIFICATE NUMBER:** 1480980335 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			SP2180052	11/25/2018	11/25/2019	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			CWP010492Q	11/25/2018	11/25/2019	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	<input type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 0			SP2X180052	11/25/2018	11/25/2019	EACH OCCURRENCE \$ 4,000,000 AGGREGATE \$ 4,000,000 \$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	4214086	12/14/2018	10/1/2019	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E L EACH ACCIDENT \$ 1,000,000 E L DISEASE - EA EMPLOYEE \$ 1,000,000 E L DISEASE - POLICY LIMIT \$ 1,000,000
A	Pollution Liability Professional Liability			SP2180052	11/25/2018	11/25/2019	Limit Limit 1,000,000 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
All policy terms, conditions and exclusions apply.

CERTIFICATE HOLDER Chip Taylor, FPE Fire Protection Engineer Colorado Springs Fire Department 2880 International Circle, Suite 200-7 Colorado Springs CO 80910	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
--	---

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CSFD Request for Appeal

Date of Request: 12-28-2018 Deadline for Decision: January 11, 2019

Project / Facility / Business Information:

Name: Jan + Frances Zabinski
Address / Location: 1622 Cheyenne Blvd.

Applicant Information:

Name / Title / Organization: Jan Zabinski
Mailing Address: 1622 Cheyenne Blvd.
Phone Number: 847-863 4731 Fax Number: _____
Email Address: jczps@earthlink.net

Variance Request:

Which code requirement do you disagree with? (Include Code Section and copy of order notice, citation or inspection report) Non use of cedar for exterior balcony + stairs.

What is your proposed solution through alternate means or methods? (Be specific) Applying flame retardant and painting all wood.

Justification for request: (Why do you believe the Code should not be followed? How does your solution address the intent of the Code? Attach additional information/photos) Due to a miscommunication with the builder the balcony + stairs were built with cedar. If I need to replace the material it would create a large financial burden. By applying a flame retardant + painting the material should become ignition resistive.

Information:

Have you discussed this issue with a Division of the Fire Marshal representative? ☒ Yes ☐ No

If so, with whom? (If not, you may be contacted for additional discussion) Dee Withee

Were alternative solutions discussed? ☒ Yes ☐ No

If yes, why were they unacceptable?

Expense of replacing materials

For CSFD Use Only

Date Received: 12/28/2018 Date Reviewed: _____ Directed to: _____
Resolution / Decision: Due to the complexity of the enforcement and future compliance, this shall be moved to the Fire Board of Appeals.
[Signature] 1/3/19

Return completed form to: CSFD Division of the Fire Marshal
375 Printers Parkway
Colorado Springs, CO 80910

Ph: (719) 385-5978
Fax: (719) 385-7334

Note: Please remember that all items presented at Fire Board must be turned in to the Secretary of the Fire Board of Appeals for retention. Unless copies are provided, the originals will be retained.

FX LUMBERGUARD XT

Description

[Reviews](#)

[Related Products](#)

[Product Videos](#)

[Warranty](#) [Also Viewed](#)

[By Category](#)

[Other Details](#) Formulated Class A fire retardant wood treatment for unfinished, unpainted lumber and plywood, the following species have certified testing; SYP, SPF, Doug Fir and Hem Fir lumber and SYP plywood. Cedar, Oak, OSB, Red Wood and other similar species are treatable for FX Lumber Guard XT. Ideas of projects / materials that can be treated are Preservative Treated (green treatment), Re-Claimed Woods, and Wooden Furniture, Bridges, Fencing, Decks, Shake Shingles, Car Ports, Landscape Beds and similar projects. FX Lumber Guard XT is tested beyond the standard requirements of fire retardant wood treatments. Documented to reduce the level of fire danger lower than other products currently on the market today.

FX LumberGuard XT will not change the characteristics of wood, lumber or plywood, treating lumber and plywood is economical and environmentally safe, and also some insurance companies have been known to approve the use of our products to pass their requirements for insurance renewal.

FX LumberGuard XT prevents treated materials from sustaining combustion by penetrating the surface and becoming part of its molecular structure, a protective barrier is created to protect the treated material from igniting. When the material is subjected to a heat source (flames, sparks or embers) the protective barrier is activated, the barrier prevents combustion of the treated material. FX Lumber Guard XT meets ASTM, NFPA, ULC, UL and UBC standards.

FX Lumber Guard XT is transparent, odor free, non-toxic (documented), non-corrosive, non-halogenated, stainable, paintable, environment safe, Chlorine free, Non PBDE's and Non Bromated Products and has the lowest VOC count in the industry (tested).

The fire retardancy of treated wood, lumber or plywood will need to be re-treated 3-5 years, unless it's painted or over coated with a sealer.



Fire Retardant Coatings of Texas, LLC
 1150 Blue Mound Rd West #403
 Haslet, Texas 76052
 Office (817) 710-5233 Fax (817) 439-8385
www.frctexas.com

FX LUMBER GUARD® XT

TECHNICAL DATA

SUBMITTAL SHEET

MANUFACTURER OF

FX LUMBER GUARD® XT

EXTERIOR FIRE RETARDANT PENETRANT

Technical Information

FSI <25 SDI / SGI <50 • Natural Mold & Insect Inhibitor
 Non-Toxic • Certified 1 Application @ 300-350 sf per Gallon Non-Halogenated • No PBDE's • No Carcinogens • Storage Temp >45° F
 Environmentally Friendly • 3-year shelf life • Non Corrosive
 Stainable/Paintable • Application Temp 45-95°F

KEEP FROM FREEZING AND DO NOT DILUTE

FX Lumber Guard XT when used for interior applications, Intertek Laboratory has certified it for interior applications.

FX LumberGuard XT is a Non-Leachable exterior fire-retardant wood treatment with no retreatment requirements.

FX Lumber Guard XT is **NOT** a Preservative or a sealer

Other Applications: Cypress, Cedar, Shakes, Redwood, Reclaimed Wood, Thatching, Bamboo and Engineered Materials (LVL's, PSL's and similar materials with limited moisture exposure).

WE CAN PROVIDE A RED COLORANT FOR VALIDATION OF TREATMENT WHEN REQUESTED BY OUR CUSTOMERS AT NO ADDITIONAL COST.

Application Process:

Material to be treated must be clean & dry before treating. Agitate product before and throughout the application. Apply as it's received. Apply by spraying with a hand pump sprayer at a rate of **300-350 square feet per gallon** depending on the material treated. (Vertical spraying) Start from the bottom and work up as there is less waste this way. Drying time will vary 8-32hrs depending on weather and temperature.

ALL SIDES MUST BE PROTECTED.

LUMBER: CROSS & STRAIGHT CUTS ALLOWED, RIPS OR MILLING NOT ALLOWED UNLESS TREATED FIRST. SHEATHING: ALL CUTS ALLOWED WITHOUT RETREATING REQUIRED.

Field Testing of applied FX Lumber Guard XT (no colorant added):

The treated substrate will not have distinctive observable features. A field test may be required, using the flame from a small fire source (propane torch) to a treated and untreated sample of the substrate for not less than 15 seconds. The presence of the treatment must be observable through the comparison of the reactions of the substrates to the flame. Presence of the fire retardant is visible when it begins to form a black or white char layer. FX Lumber Guard XT will control the flame spread compared to the untreated sample.

Meets 16 CFR 1500.3 FHSA of the Consumer Product Safety Commission (CPSC) as Non-Hazardous / Non-Toxic

WARNING: Keep this and all chemicals out of children's reach - as with any chemical, this may cause eye and skin irritation - always wear personal protective equipment when handling this or any chemicals.

**Intertek Certified Listed & Tested to
 ASTM E84 & ASTM E2768**

Class A rated on
Lumber: SYP, SPF, Hem Fir & Doug Fir
Plywood: SYP / Doug Fir & OSB

See the Intertek Directory of Building Products,
bpdirectory@intertek.com, for complete information.

Additional Testing, Processing and Standards

CSI Divisions 06 05 73.33 Fire Retardant Wood Treatment
 CSI 09 96 43 Fire Retardant

ASTM D5664 • ASTM D5516
 ASTM D3201 • AWWA E12 • ASTM D2898
 CAN/ULC S102 • NFPA 255/703 • AC363
 ANSI/UL 723 • UBC 42.1

Additional Applications:
 Engineered Materials, Cypress, Cedar,
 Redwood, Bamboo and Reclaimed Woods.

NOTE: The results of the three-listed species (SPY, DFir, and either white spruce or a Spruce/Fir mixture) are allowed to be used together to make inference on untreated wood species because the three-tested species represent the full spectrum of expected treatability. Ref: American Wood Counsel



intertek
 Total Quality. Assured.



Intertek

REPORT NUMBER: 101536541SAT-002A
ORIGINAL ISSUE DATE: March 13, 2014
REVISED DATE:

EVALUATION CENTER
Intertek Testing Services NA Inc.
16015 Shady Falls Road
Elmendorf, TX 78112

RENDERED TO

Fire Retardant Coatings of Texas, LLC
1150 Blue Mound RD West
#403
Haslet, TX 76052

Report of Testing "FX Fire Retardant Chemical" for compliance with the applicable requirements of the following criteria: ASTM E2768-11 TEST FOR EXTENDED DURATION SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS (This standard uses the apparatus and procedure of test method ASTM E84 with the total test period extended to 30 minutes.)

TEST REPORT

ABSTRACT

Specimen I.D. "FX Fire Retardant Chemical"

Test Standard: ASTM E2768-11 TEST FOR EXTENDED DURATION
SURFACE BURNING CHARACTERISTICS OF BUILDING
MATERIALS

Test Date: March 11, 2014

Client: Fire Retardant Coatings of Texas, LLC

Test Results:

FLAME SPREAD INDEX* 15
SMOKE DEVELOPED INDEX* 130

MAXIMUM FLAME FRONT* 9.8 ft. Beyond Burners
Centerline

*Note: The *Flame Spread* and *Smoke Developed Index* are based on the initial 10 minutes of the test which represents the standard ASTM E84 test period. The *Maximum Flame Front* is based on the 30 minute test period and is measured from the centerline of the burners to a point where flame travel stops or up to a maximum of 24 feet.



Joseph Martinez
Technician III

March 13, 2014

Reviewed and approved:



Servando Romo
Project Manager

March 19, 2014

I. INTRODUCTION

This report describes the results of the ASTM E2768-11 TEST FOR EXTENDED DURATION SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS a method for determining the comparative surface burning behavior of building materials, extended to a total of 30 minutes. This method uses the same equipment, apparatus, calibration of flame spread index and smoke develop index as test method ASTM E84. The flame spread index is calculated in accordance with ASTM E84 during the first 10 minutes and then extended by 20 minutes to a period of 30 minutes to determine the maximum flame travel from the burner centerline. This standard is based on a modification of Test Method E84 that has been used for many years in provisions in the building codes and related specifications pertaining to fire-retardant-treated wood. Such codes include the International Building Code (IBC) and International Residential Code (IRC) as well as other documents.

The purpose of the method is to determine the relative burning behavior of the material by observing the flame spread along the specimen for a period of 30 minutes. Flame spread and smoke density developed are reported, however, there is not necessarily a relationship between these two measurements.

"The use of supporting materials on the underside of the test specimen may lower the flame spread index from that which might be obtained if the specimen could be tested without such support... This method may not be appropriate for obtaining comparative surface burning behavior of some cellular plastic materials... Testing of materials that melt, drip, or delaminate to such a degree that the continuity of the flame front is destroyed, results in low flame spread indices that do not relate directly to indices obtained by testing materials that remain in place."

This standard should be used to measure and describe the properties of materials, products, or assemblies in response to heat and flame under controlled laboratory conditions and should not be used to describe or appraise the fire hazard or fire risk of materials, products, or assemblies under actual fire conditions. However, results of this test may be used as elements of a fire risk assessment which takes into account all of the factors which are pertinent to an assessment of the fire hazard of a particular end use.

II. PURPOSE

The ASTM E2768 test method is intended to compare the surface flame spread and smoke developed measurements to those obtained from tests of fiber cement board and select grade red oak flooring required by the ASTM E 84. The 30 minute performance characteristics in the conditions of classification are intended to be used in specific applications as required by building codes or other regulatory requirements or specifications. The test specimen surface (18 inches wide and 24 feet long) is exposed to a flaming fire exposure during the 30 minute test duration, while flame spread over its surface and density of the resulting smoke are measured and recorded. Test results are presented as the computed comparisons to the ASTM E 84 standard calibration materials.

III. TEST PROCEDURE

The tests were conducted in accordance with the procedures outlined in the American Society for Testing and Materials ASTM E84 except the test was continued for a total of 30 minutes. The self-supporting specimens were placed directly on the tunnel ledges. The *maximum flame front* is determined by adding 4.5 feet to the flame travel recorded by the *flame pointer* located on the exterior window side of the tunnel apparatus. The *flame pointer* starts recording flame travel at 4.5 feet from the burner centerline. The zero point for the *flame pointer* is 4.5 feet away from the burner centerline. The sample is exposed to 4.5 feet of flame and only propagation beyond 4.5 feet point is recorded by the *flame pointer*. The flame spread graph on page 10 represents the *flame pointer* position during the test and the *maximum FS (feet)* value on page 9 represents the *flame pointer* maximum recorded value. To determine the *maximum flame front*, 4.5 feet is added to the *maximum FS (feet)* value on page 9.

Example: If the *flame pointer* records a maximum flame distance of 5 feet then the *maximum flame front* from the burner centerline is 5 feet plus 4.5 feet. (9.5 feet)

As required by the standard, one or more layers of 0.25 inch thick reinforced concrete board are placed on top of the test sample between the sample and the tunnel lid. After the tests, the samples are removed from the tunnel, examined and disposed of.

IV. REVISION SUMMARY

DATE	SUMMARY
March 13, 2014	Original

V. DESCRIPTION OF TEST SPECIMENS

Date Received:	2/27/2014
Date placed in the conditioning room:	2/27/2014
Conditioning (73°F & 50% R.H.):	12 days
Specimen Width (in):	22
Specimen Length (ft):	24
Specimen Thickness (in):	1.52
Total Specimen Weight (lbs):	160

Specimen Description:

The specimen was described by the client as "Treated Lumber (SPF) with FX Fire Retardant Chemical covers the following species of wood: Fir Species (Doug, Hem & White), Pine Species (Yellow & Ponderosa), SPF, White Spruce, OSB, Oan and Cedar. Meets Applicable Codes, Ordinances and Requirements of IBC 2303".

The 24ft. long test specimen consisted of three 8ft. long wood decks with a coated side.

Mounting Method:

The specimen was self-supporting. The finished side was exposed towards the flames.

The product was received by our personnel in good condition and given an identification number of SAT1402271820-003.

This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of the report. Only the Client is authorized to copy or distribute this report and then only in its entirety. Any use of Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

VI. TEST RESULTS & OBSERVATIONS

Test Specimen	10 Minute Flame Spread Index	30 Minute Maximum Flame Front
"FX Fire Retardant Chemical"	15	9.8

The data sheets are included in Appendix A. These sheets are actual print-outs of the computerized data system which monitors the tunnel furnace, and contain all calibration and specimen data needed to calculate the test results.

VII. OBSERVATIONS

During the test, the specimen was observed to behave in the following manner.

Time (min:sec)	Observations
0:00	The test burners were turned on.
0:41	The wood began to crack.
0:54	Steady ignition was observed.
2:47	The wood began to flake.
30:00	The test burners were shut off.

After the burners were turned off, a 60+ second after flame was observed.

After the test, the specimen was observed to be damaged as follows:

Distance (FEET)	Damage Descriptions
0 – 10	The wood was observed to be heavily charred and cracked.
10 – 15	The wood was observed to be charred.
15 – 17	The wood's surface was observed to be charred.
17 – 24	The wood's surface was observed to be lightly charred.

VIII. CONDITIONS OF CLASSIFICATION

The test method has the following conditions of classification for a material or product to be classified as meeting the requirements of this standard:

- a.) The flame spread index shall be 25 or less as determined for the initial 10 min test period.
- b.) The flame front shall not progress more than 10.5 ft (3.2 m) beyond the centerline of the burners at any time during the 30 min test period. This is considered evidence of no significant progressive combustion in this test method.

Test Results

Test Specimen	10 Minute Flame Spread Index	30 Minute Maximum Flame Front
"FX Fire Retardant Chemical"	15	9.8

IX. CONCLUSION

This specimen passed the ASTM E2768-11 requirements.

Appendix A
ASTM E2768-11
Data Sheets

TEST RESULTS

FLAMESPREAD INDEX: 15

SMOKE DEVELOPED INDEX: 130

SPECIMEN DATA . . .

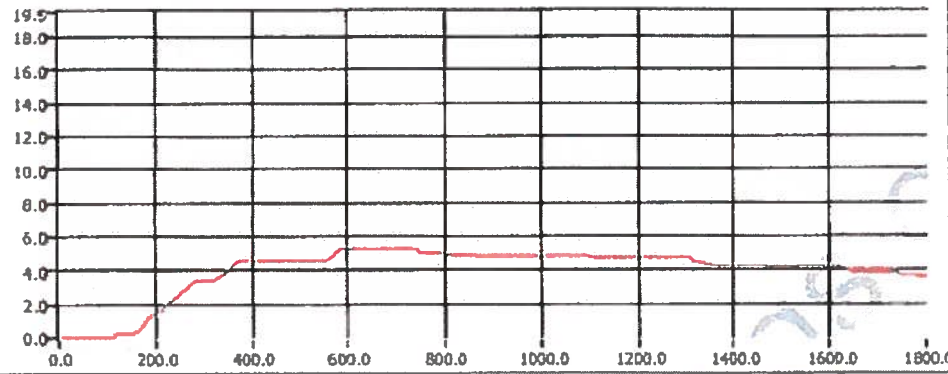
Time to Ignition (sec): 54
Time to Max FS (sec): 583
Maximum FS (feet): 5.3
Time to 980 F (sec): Never Reached
Time to End of Tunnel (sec): Never Reached
Max Temperature (F): 671
Time to Max Temperature (sec): 1744
Total Fuel Burned (cubic feet): 133.03

FS*Time Area (ft*min): 27.4
Smoke Area (%A*min): 243.0
Unrounded FSI: 14.1

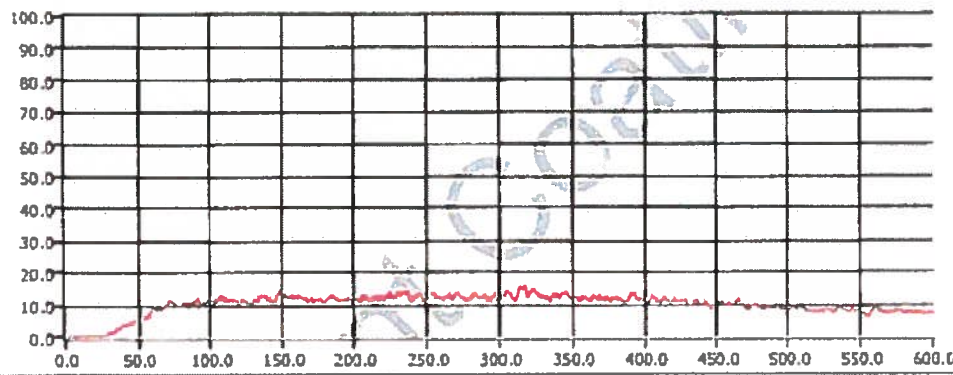
CALIBRATION DATA . . .

Time to Ignition of Last Red Oak (Sec): 55.0
Red Oak Smoke Area (%A*min): 76.9

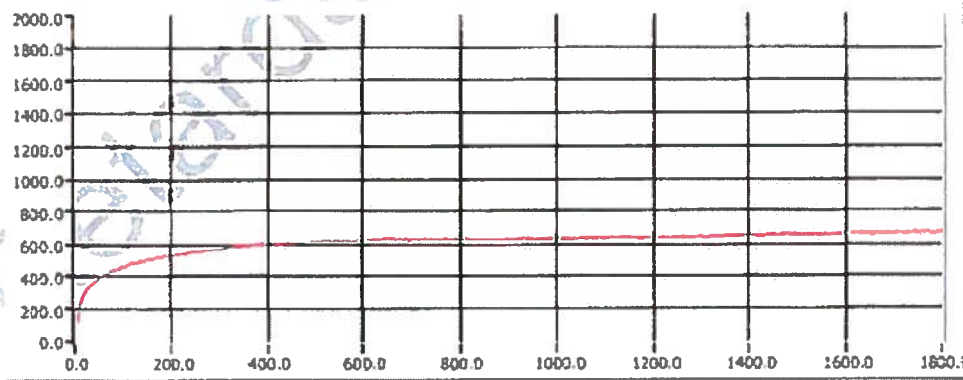
FLAME SPREAD (ft)



Smoke (%A)



Temperature (°F)



Time (sec)

600



Fire Retardant Coatings of Texas®, LLC

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Haslet, Texas 76052 Office (817) 710-5233
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Safety Data Sheet (SDS)

Printing date 3/18/2016

OSHA Hazard Communication Standard 29 CFR 1910.1200.
Prepared to GHS Rev04.

Reviewed on 4/05/2017

1 Product and Company Identification

• **Product Identifier**

• **Trade name:** FX Lumber Guard XT®

• **Article number:** FX Lumber Guard XT®

• **Relevant identified uses of the substance or mixture and uses advised against**

• **Product description**

Fire retardant product for exterior / interior lumber & plywood (SYP, SPF, oak, cedar, red oak, Fir and similar), timbers, shake shingles, thatching, bamboo and similar other materials.

Non-Hazardous Penetrant – Non-Toxic – Environment Safe – Water Based

• **Details of the supplier of the safety data sheet**

• **Manufacturer/Supplier:**

Fire Retardant Coatings of Texas®, LLC

1150 Blue Mound Rd West #403

Haslet, TX 76052

Off (817) 710-5233

Fax (817) 439-8385

• **Emergency telephone number:** (817) 710-5233



2 Hazards identification

• **Classification of the substance or mixture**

The product is not classified according to the Globally Harmonized System (GHS).

• **Label elements**

• **GHS label elements** Void

• **Hazard pictograms** Void

• **Signal word** Void

• **Hazard statements** Void

• **Precautionary statements** Precautionary statements

• **Classification system:** NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

• **NFPA ratings (scale 0 - 4)**



Health = 0

Fire = 0

Reactivity = 0

• **HMIS-ratings (scale 0 - 4)**



Health = 0

Fire = 0

Reactivity = 0

• **Other hazards**

• **Results of PBT and vPvB assessment**

• **PBT:** Not applicable.

• **vPvB:** Not applicable.

3 Composition/information on ingredients

461-58-5 dicyandiamide

<7%

7732-18-5 water, distilled, conductivity or of similar purity

<83%

7783-28-0 diammonium phosphate

<3%

• **Chemical characterization:** Mixtures

• **Description:** Mixture of the substances listed below with nonhazardous additions.

(Contd. on page 2)



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Safety Data Sheet (SDS)

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Reviewed on 4/05/2017

Trade name:

FX LumberGuard XT®

(Contd. of page 1)

· **Dangerous components:**

7664-38-2 phosphoric acid 75%

57-13-6 urea

 H314

<6%

<1%

4 First aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air, consult doctor in case of complaints.
- **After skin contact:** Wash affected area with soap and water.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** Give large amounts of water. If symptoms persist consult doctor.
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:** Required.
- **Environmental precautions:** Do not allow entry to drinking water supply.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**
No dangerous substances are released.
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment. See
Section 13 for disposal information.

7 Handling and storage

- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

(Contd. on page 3)



Fire Retardant Coatings of Texas®, LLC

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Safety Data Sheet (SDS)

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OSHA Hazard Communication Standard 29 CFR 1910.1200.
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Reviewed on 4/05/2017

Trade name:

FX LumberGuard XT®

(Contd. of page 2)

· Control parameters

· Components with limit values that require monitoring at the workplace:

7664-38-2 phosphoric acid 85%

PEL 1 mg/m³

REL Short-term value: 3 mg/m³ Long-term value: 1 mg/m³

TLV Short-term value: 3 mg/m³ Long-term value: 1 mg/m³

57-13-6 urea

WEEL 10 mg/m³

· Additional information: The lists that were valid during the creation were used as basis.

· Exposure controls

· Personal protective equipment: Recommended when handling any chemicals.

· General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

· Breathing equipment: Not required.

· Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can't be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection: Goggles recommended during refilling.

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

Form: Liquid

Color: Clear

· Odor: Yes

· Odor threshold: Slight

· PH Range: 4.5-5

· Change in condition

Freeze Point: <40°

Boiling point/Boiling range: 212 °F

· Flash point: Not applicable.

· Flammability (solid, gaseous): Not applicable.

(Contd. on page 4)



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Reviewed on 4/05/2017

Trade name:

FX LumberGuard XT®

(Contd. of page 3)

- **Ignition temperature:**
 - Decomposition temperature:** Not determined.
- **Auto igniting:** Product is not self-igniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
 - Lower:** Not determined.
 - Upper:** Not determined.
- **Vapor pressure at 20 °C (68 °F):** 23 hPa (17 mm Hg)
- **Density:** SG 1.020
- **Relative density** Not determined.
- **Vapor density** Not determined.
- **Evaporation rate** Not determined.
- **Solubility in / Miscibility with Water:** Not miscible or difficult to mix.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - Dynamic:** Not determined.
 - Kinematic:** Not determined.
- **Solvent content:**
 - Organic solvents:** 0.0 %
 - Water:** <86 %
- **Solids content:** 32 %
- **VOC Content:** 0.06%

10 Stability and reactivity

- **Reactivity:** None
- **Chemical stability:** Stable
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** Not to mixed with any other chemicals.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:** Non Toxic
- **Primary irritant effect:**
 - on the skin:** No irritant effect.
 - on the eye:** Slight
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations:

(Contd. on page 5)



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Printing date 3/18/2016

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Reviewed on 4/05/2017

Trade name:

FX LumberGuard XT®

Prepared to GHS Rev04.

(Contd. of page 4)

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer)**
None of the ingredients is listed.
- **NTP (National Toxicology Program)**
None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** None
- **Water Hazard:** None
Do not allow product to reach drinking water supply.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Disposal must be made according to official regulations.
- **Uncleansed Packaging's:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**
- **DOT, ADR, ADN, IMDG, IATA** Void
- **UN proper shipping name** None
- **DOT, ADR, ADN, IMDG, IATA** Void
- **Transport hazard class(es)**
- **DOT, ADR, ADN, IMDG, IATA**
- **Class** Void
- **Packing group**
- **DOT, ADR, IMDG, IATA** Void
- **Environmental hazards:**
- **Marine pollutant:** No
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.
- **UN "Model Regulation":** -

(Contd. on page 6)



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Prepared to GHS Rev04.

Reviewed on 4/05/2017

Trade name:

FX LumberGuard XT®

(Contd. of page 5)

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**
- **Section 355 (extremely hazardous substances):**
None of the ingredients is listed.
- **Section 313 (Specific toxic chemical listings):**
7664-38-2 phosphoric acid 85%
- **TSCA (Toxic Substances Control Act):**
461-58-5 dicyandiamide
7664-38-2 phosphoric acid 85%
57-13-6 urea
7732-18-5 water, distilled, conductivity or of similar purity
- **Proposition 65**
- **Chemicals known to cause cancer:**
None of the ingredients is listed.
- **Chemicals known to cause reproductive toxicity for females:**
None of the ingredients is listed.
- **Chemicals known to cause reproductive toxicity for males:**
None of the ingredients is listed.
- **Chemicals known to cause developmental toxicity:**
None of the ingredients is listed.
- **Carcinogenic categories**
- **EPA (Environmental Protection Agency)**
None of the ingredients is listed.
- **TLV (Threshold Limit Value established by ACGIH)**
None of the ingredients is listed.
- **NIOSH-Ca (National Institute for Occupational Safety and Health)**
None of the ingredients is listed.
- **OSHA-Ca (Occupational Safety & Health Administration)**
None of the ingredients is listed.
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

• **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

(Contd. on page 7)



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Reviewed on 4/05/2017

Trade name:

FX LumberGuard XT®

(Contd. of page 6)

DOT: US Department of Transportation IATA:
International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
SDS / MSDS Created by MSDS Authoring Services (www.MSDSAuthoring.com)

DISCLAIMER

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HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY USE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THIS INFORMATION, THE RESULTS TO BE OBTAINED FROM USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT, OR THE HAZARDS RELATED TO ITS USE.

This information and the product are furnished on the condition that the person receiving them shall make his own determination as to the suitability of the product for his particular purpose and on the condition that he assume the risk of his use thereof.



Fire Board of Appeals Staff Summary Report

Agenda Item: 1622 Cheyenne Boulevard

Report Completed By: FPE Withee

Project History: New construction

6/14/17: Plans were approved for construction of single family home located in the Hillside overlay. Plans and supporting documentation indicated use of composite decking.

12/18/18: Received a phone call from owner regarding plan comments and an alleged miscommunication between himself and his builder regarding the deck materials.

Homeowner explained he was helping with the construction and constructed the deck and stairs himself, where the builder constructed the home. He claims the builder did not pass on the information about the ignition resistant requirements for the decking and stair material. There have been no inspections on this property as of the writing of this report.

Applicable Code(s): 2009 International Fire Code, Appendix K

Additional Considerations

Year Built/Remodeled: 2017 new build

Occupancy Type: Single family residence

Occupant Load: N/A

Square Footage: 3,233 square feet

Construction Type: V-B wood frame

Sprinkled: no – not required

Alarmed: no – not required

Contractor Licensing Details: N/A, builder is Trails End Homebuilders, LLC

Further Considerations:

ASTM D2898 – Standard Practice for Accelerated Weathering of Fire Retardant Treated Wood for Fire Testing. This test simulates effects of leaching, drying, temperature and UV light.

ASTM E2768 – Standard Test Method for Extended Duration Surface Burning Characteristics of Building Materials. This test extends the burn time by 20 minutes over the standard 10 minute test for a total test time of 30 minutes.

Lot has approximately 40 foot elevation gain from front to back. Home is oriented northwest to

Fire Board of Appeals Staff Summary Report

southeast, having exposure aspects of same orientation. Area is a developed neighborhood.

FX Lumber Guard XT is suitable for exterior use on cedar. Samples go through weathering test (ASTM D2898) then the extended burn test (ASTM E2768). The samples passed with flame spread ratings less than 25.

In speaking with David, from Fire Retardant Coatings of Texas, they applied to International Code Council in October 2018, and have been approved for use on dimensional lumber, achieving an approval no other topical fire retardant has accomplished.

Fire Board of Appeals Staff Summary Report

CSFD Recommendations for Resolution

Recommendation: Approval of FX Lumber Guard XT with the following conditions:

1. A quality control plan to ensure proper application per manufacturer's specifications to be submitted to CSFD for review;
2. FX Lumber Guard XT shall be reapplied every three years;
3. Upon re-application, a letter certifying the re-application shall be submitted to CSFD for archival;
4. A free three-year permit shall be issued to the homeowner, renewed every three years upon receipt of the certifying letter described above;
5. CSFD reserves the right to inspect the deck at any time;
6. These conditions shall be recorded with the deed, with proof of the recording to be submitted to CSFD within 30 days.

Attachments:

- ☐ Photos
- ☒ Floor Plan
- ☒ Code References
- ☐ Data Sheets
- ☒ Inspection/Plan Review Reports
- ☐ Correspondence
- ☐ Contractor Licensing Details
- ☐ Timeline

Completed by
Signature:

Drew White

Date:

1/3/19

Approved by
Signature:

[Signature]

Date:

1/3/19

CSFD Administrative Decision

*See Resolution/Decision located on
CSFD Request for Appeal's page 1.*

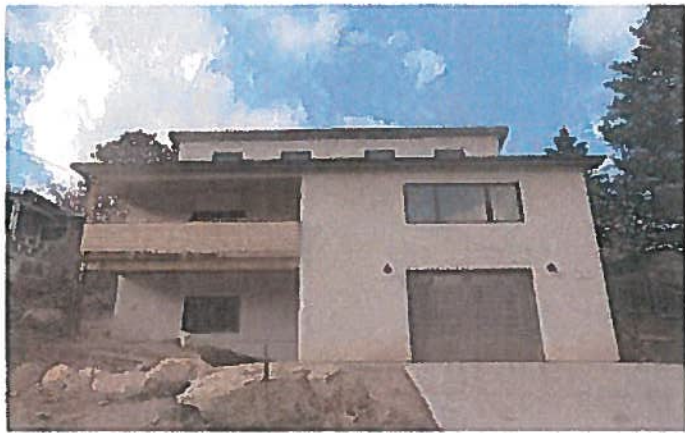
Fire Board of Appeals Staff Summary Report

Fire Marshal's
Signature:

A stylized, handwritten signature in black ink, appearing to be 'R. J. [unclear]', written over a horizontal line.

Date:

1/3/19



OVERVIEW

Owner:	ZABINSKI JAN
Mailing Address:	810 OXFORD LANE APT 509, COLORADO SPRINGS, CO, 80905
Location:	1622 CHEYENNE BLVD
Assessment Status:	TAXABLE
Usage:	R1-6 HS
Parcel No.:	862
Parcel Description:	LOT 13 BLK 3 STRATTON PARK ADD

MARKET & ASSESSMENT DETAILS

	Market	Assessed
Land Value	\$57,000	\$4,100
Improvement Value	\$139,500	\$10,840
Total Value \$	\$196,500	\$14,140

LAND DETAILS

SEQUENCE NUMBER	LAND USE	ASSESSMENT RATE	AREA	MARKET VALUE
	SINGLE FAMILY RES	7.2	4500 SQFT	\$57,000

BUILDINGS DETAILS

Residential - Two Story (1)				Market Value \$139,500
Dwelling Units	1	Total Living Area	1,814	
Year Built	2017	First Floor Area	1,229	
Style Description	Two Story	Above First Floor Area	585	
Number of Rooms	3	Lower Level Living Area	0	
Number of Bedrooms	3	Total Basement Area	817	
Number of Baths	2	Finished Basement Area	-	
Garage Description	Basement	Carport Description	-	
Garage Area	412	Carport Area	-	
Property Description	Frame Average	Assessment Rate	7.20	

SALE HISTORY

SALE DATE	SALE PRICE	SALE TYPE	RECEPTION
30/2014	\$0	-	214068185
01/1990	\$0	OTHER	-

PROPERTY ENTITY AND LEVY INFORMATION

County Treasurer Tax Information

Assessment Code: QBD Levy Year: 2017 Mill Levy: 71.995

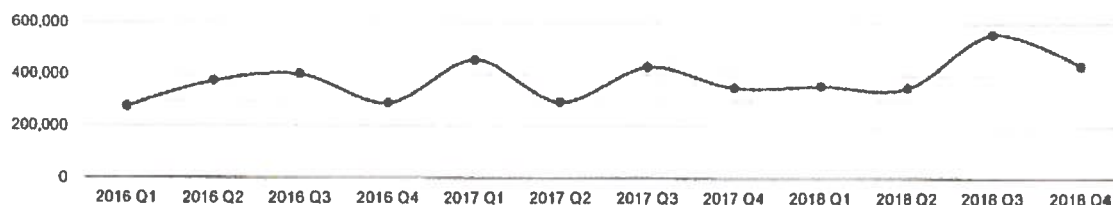
PROPERTY ENTITY	LEVY	CONTACT NAME/ORGANIZATION	CONTACT PHONE
PASO COUNTY	7.435	FINANCIAL SERVICES	(719) 520-6498
ROAD & BRIDGE SHARE	0.165	-	(719) 520-6498

>COLORADO SPGS ROAD & BRIDGE SHARE	0.165	-	(719) 520-6498
EYEWINE MTH SCHOOL NO 12	\$5,000	NATALIE MORIN	(719) 475-6103
ES PEAK LIBRARY	3,812	MIKE VARNET	(719) 531-6333
JTHEASTERN COLO WATER CONSERVANCY	0.939	JAMES BRODERICK	(719) 948-2400

MAP SHEET

[Click to view Map Sheet 1](#)
[Click to view Map Sheet 2](#)

Median Residential House Price



Residential Assessed Values

Low \$58,178 [📄](#)
Median \$292,138
High \$3,406,305 [📄](#)

Res. Sales by Type



Residential Sale Prices

Average Home Price
\$370,000
Biggest Sale
\$1,790,000

Disclaimer

We have made a good-faith effort to provide you with the most recent and most accurate information available. However, if you need to use this information in any legal or official venue, you will need to obtain official copies from the Assessor's Office. Do be aware that this data is subject to change on a daily basis. If you believe that any of this information is incorrect, please call us at (719) 520-6600.



City of Colorado Springs



1: 564

94.0 0 47.02 94.04 Feet



NAD_1983_StatePlane_Colorado_Central_FIPS_0502_Feet
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RESIDENTIAL

2011 PPRBC

Parcel: 7435107013

Map #: 736F

Address: 1622 CHEYENNE BLVD, COLORADO SPRINGS

Plan Track #: 97336 Received: 12-May-2017 (BECKYA)

Description:

Required PPRBD Departments (4)

RESIDENCE

Contractor: TRAIL'S END HOMEBUILDERS,LLC

Type of Unit:

Garage	435	
Lower Level 1	115	
Lower Level 2	700	
Main Level	1250	
Upper Level 1	585	
	3085	Total Square Feet



Enumeration

Released for Permit
05/15/2017 11:26:19 AM
brent
ENUMERATION

Floodplain

(N/A) RBD GIS

Construction

Released for Permit
06/21/2017 1:39:25 PM
daniel
CONSTRUCTION

Mechanical

Released for Permit
05/16/2017 8:03:56 AM
icarpoph
MECHANICAL

Required Outside Departments (2)

CO Springs DRE

APPROVED
06/21/2017 9:30:31 AM
gsanders
COLORADO SPRINGS
CITY DEVELOPMENT REVIEW

CO Springs Fire

APPROVED
06/14/2017 4:48:59 PM
EDBELL
COLORADO SPRINGS FIRE DEPARTMENT

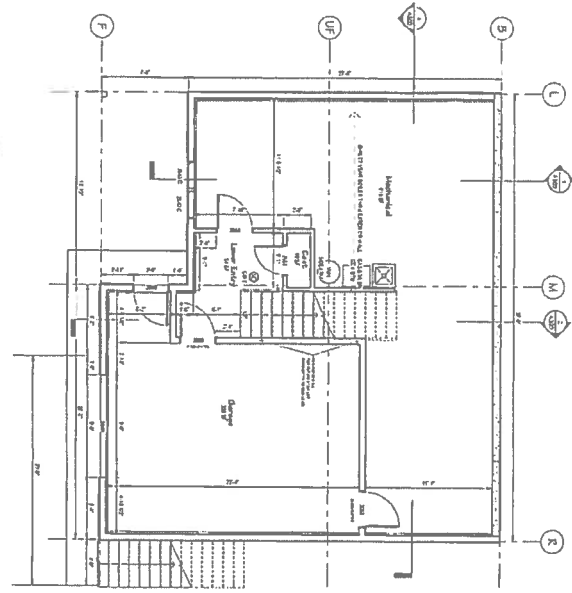
CSFD Plan Review #
2017-0540 HS-1

Release of this plan does not preclude compliance with all applicable codes, ordinances and other regulatory requirements. This plan set must be present on the job site for every inspection.

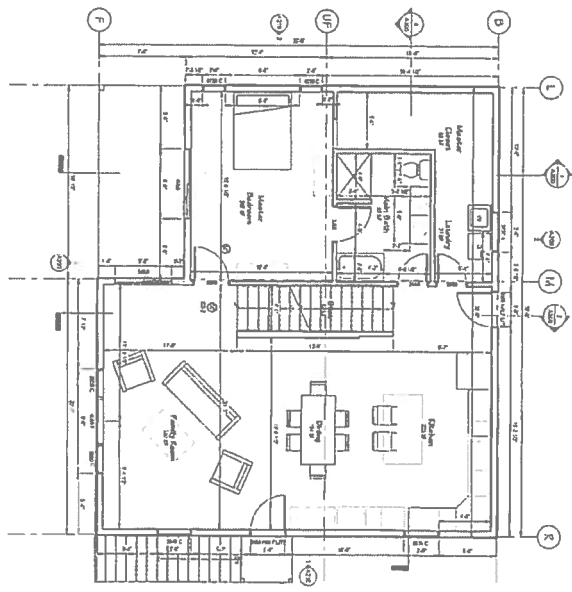
NOTES:
1. All dimensions are shown in feet and inches to the nearest 1/4".

AREAS:
GARAGE: 1,048.00 SQ. FT.
LOWER LEVEL: 1,118.00 SQ. FT.
UPPER LEVEL: 1,118.00 SQ. FT.
TOTAL FINISHED: 3,284.00 SQ. FT.

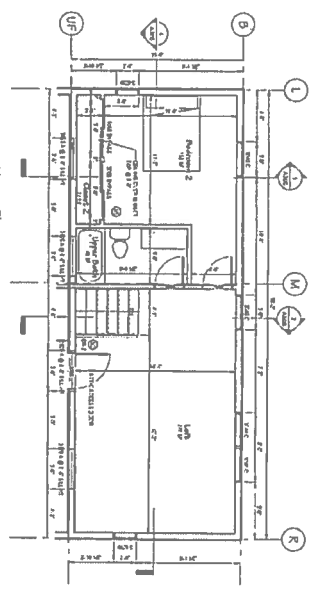
1
Garage Floor
Scale: 1/8" = 1'-0"



2
Main Floor
Scale: 1/8" = 1'-0"



3
Upper Floor
Scale: 1/8" = 1'-0"



Approved for Print
12/17/17 12:18 PM
CONSTRUCTION

Floorplans

A100

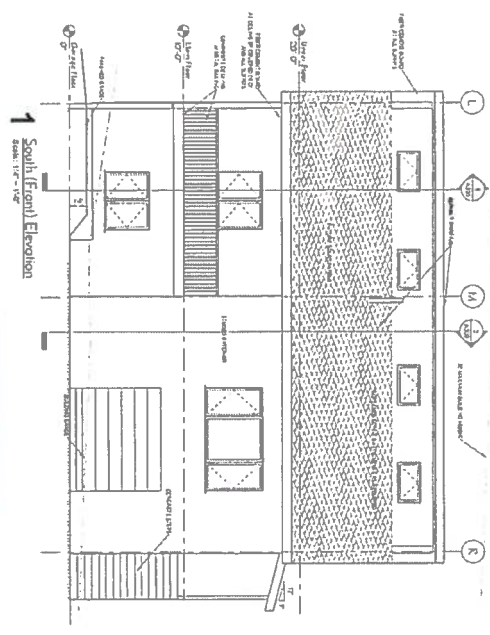
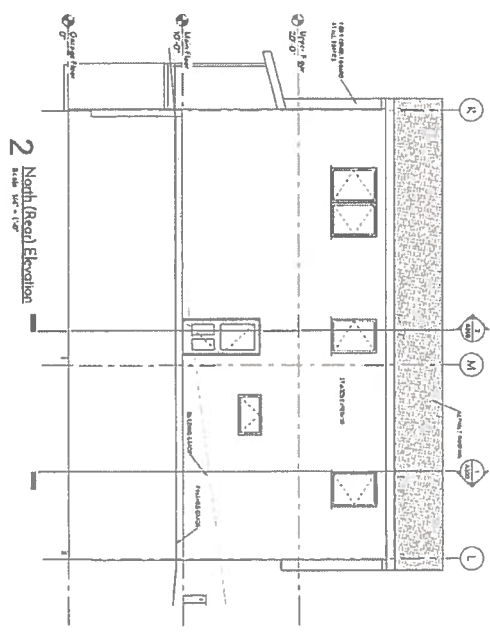
06/09/2017

Zabinski Home
1622 Cheyenne Blvd.
Colorado Springs, CO 80906

TRAIL'S END
HOMEBUILDERS, LLC
Steuer 76243 4655
Jennifer 719 331 8367
TEBaldi-J@trailsend.com
PO Box 48976
Colorado Springs, CO 80929

APPROVED
06/21/2017 9:30:14 AM
Colorado Springs
City Development Review

Any development on this plan that is not consistent with the approved site plan shall not be approved and shall be returned by City Planning. The approval on this page is only for review of the height calculation.



City of Colorado Springs
City Planning Department
100 North Tejon Street, Suite 1000
Colorado Springs, CO 80906
Phone: 719.578.4444
Fax: 719.578.4445
Email: cityplanning@coloradosprings.gov
Website: www.coloradosprings.gov

CSFD
06/14/2017 4:47:31 PM

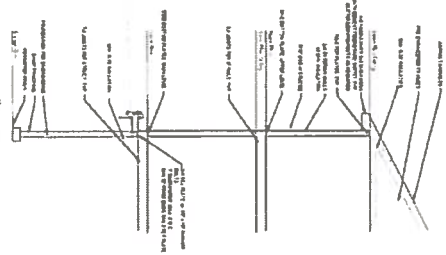
Revised and New Present
06/14/2017 1:31:18 PM
CONSTRUCTION

Zabinski Home
1622 Cheyenne Blvd.
Colorado Springs, CO 80906

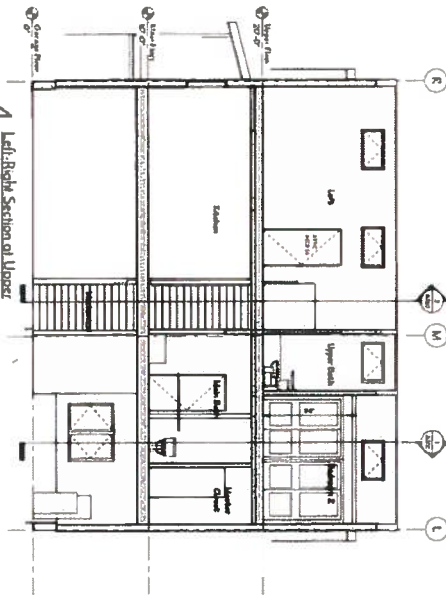
Exterior Elevations
(Front and Rear)
A200
06.13.2017
1/4" = 1'-0"

TRAILS END
HOMEWORKS, LLC
1622 Cheyenne Blvd.
Colorado Springs, CO 80906
Phone: 719.578.4444
Fax: 719.578.4445
Email: trailsend@trailsendllc.com
Website: www.trailsendllc.com

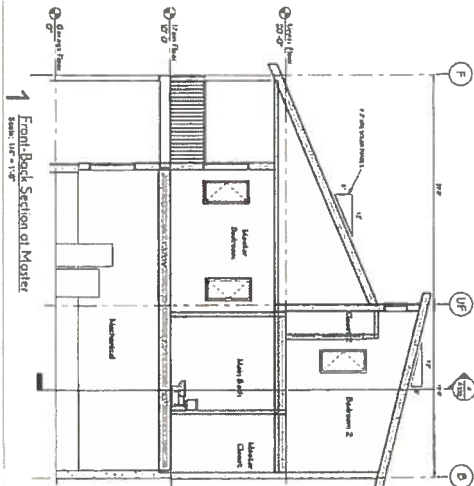
CSFD
09/14/2017 4:48:16 PM



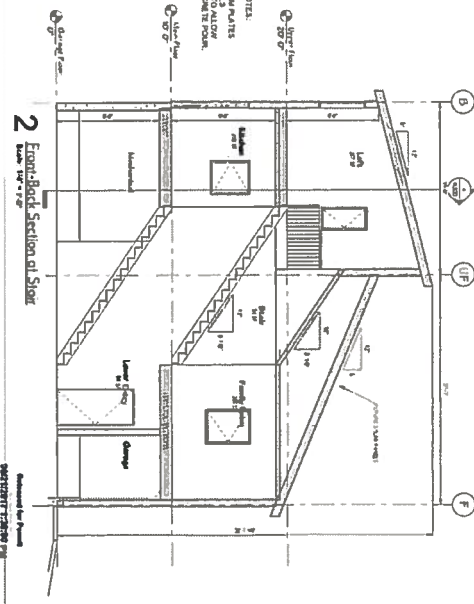
3 Typ. Wall Section
Scale: 1/4" = 1'-0"



4 Left-Right Section of House
Scale: 1/4" = 1'-0"



1 Front-Back Section of Master
Scale: 1/4" = 1'-0"



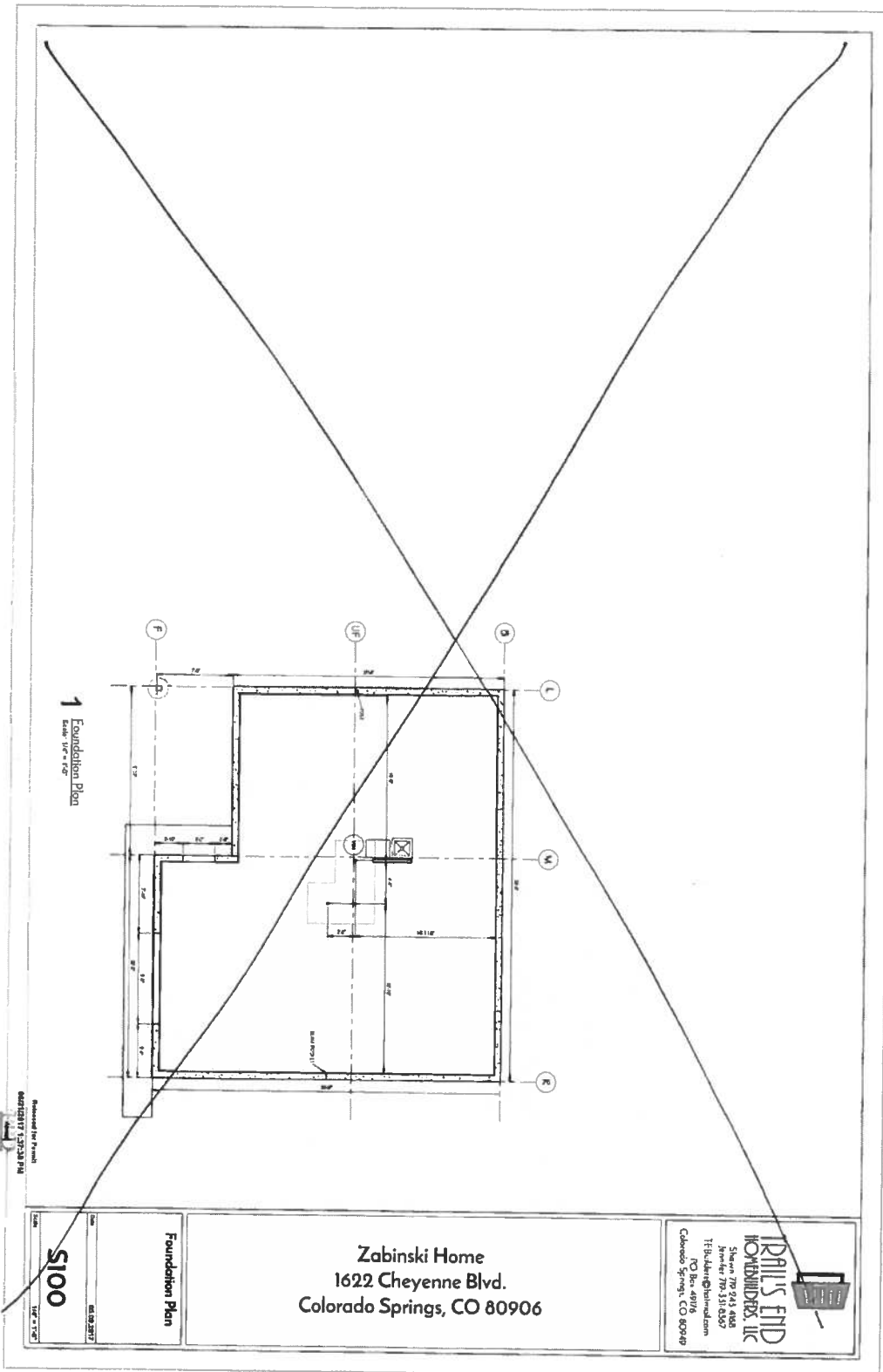
2 Front-Back Section of Store
Scale: 1/4" = 1'-0"

Zabinski Home
1622 Cheyenne Blvd.
Colorado Springs, CO 80906

TRAILS END
HOMES, LLC
Sharon 719 543 4468
TERRILL 719 543 4507
TERRILL@trailsendhomes.com
PO Box 40116
Colorado Springs, CO 80949

Sections	Scale
A300	1/4" = 1'-0"

Submitted for Review
09/14/2017 4:48:16 PM
CSFD



1 Foundation Plan
Scale 1/4" = 1'-0"

Reviewed for Permits
6/25/2017 1:25:28 PM
C:\Users\j\OneDrive\Documents\Projects\Zabinski Home\Drawings\Foundation Plan.dwg
COMING INSTRUCTION

Foundation Plan
S100
1/4" = 1'-0"

Zabinski Home
1622 Cheyenne Blvd.
Colorado Springs, CO 80906


TRAILS END
HOMEBUILDERS, LLC
Sharon, MO 64585
Sharon, MO 64585
Tel: 417-450-0000
CO Lic: 0000000000
Colorado Springs, CO 80940

NOTE: WALL HEIGHT IS THAT PORTION WHICH IS ABOVE GRADE ON THE LOW SIDE.

FOR WALL HEIGHTS ON THE LOW SIDE
 4'-0" TO 7'-11" 12"
 8'-0" TO 11'-11" 24"
 * IF LATERAL RESTRAINT (FLOOR SLAB) IS NOT PRESENT AT BOTTOM OF WALL
 24" BEAD OVERLAP AROUND CORNERS AND 18" OVERLAP FOR SPICES

TOP VIEW

NOTE: 4-#4/90 MAY BE USED IN PLACE OF 2-#5/60 BLOCKOUTS HAVE 4" ADDED REINFORCEMENT.
 - 2-#5/60 BARS 3" FROM BLOCKOUT, EXTENDING 24" FAST BLOCKOUT, ALL SIDES OF BLOCKOUT;
 - NORMAL WALL REINFORCEMENT DOES NOT COUNT TOWARD THESE REQUIREMENTS.

FINISHED GRADE

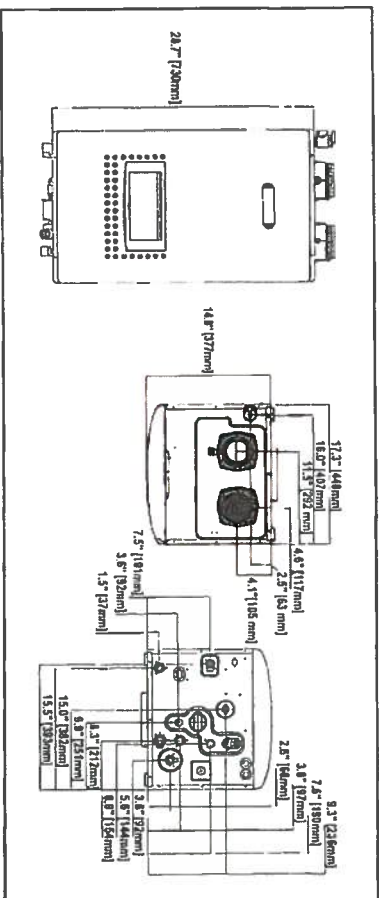
BLOCKOUT

8'-0" MAX

ADDED #4 BAR 36" LONG AT CORNERS

SPECIAL NOTE: UNLESS WE SPECIFICALLY CALL OUT A TOP OF WALL CONNECTION ON THE FOUNDATION PLAN SHEET, WE ALLOW THE USE OF WHAT WE CALL CRIPPLE WALLS (CRIPPLE WALL = FRAUD WALL LESS THAN 4' HIGH). PROVIDED THAT TWO ADDITIONAL #4/60 BARS ARE ADDED TO THE TOP COURSE OF REINFORCEMENT IN THE WALL. THIS WILL PROVIDE STRUCTURAL STABILITY TO THE FOUNDATION WALL. WE ARE NOT DEPENDING UPON THE FLOOR OR ROOFING TO PROVIDE LATERAL STABILITY. REINFORCING THE #4/60 BARS ARE REQUIRED. WHEN THE 1/2" CORE SUPPLEMENT IS SATISFIED, HORIZONTAL REINFORCEMENT FOR WALL HEIGHTS:
 4'-0" OR LESS -- FOUR #4/60
 4'-1" TO 6' -- SIX #4/60
 6'-1" TO 8' -- SEVEN #4/60
 8'-1" TO 10' -- EIGHT #4/60
 10'-1" TO 12' -- NINE #4/60
 12'-1" TO 14' -- TEN #4/60
 14'-1" TO 16' -- ELEVEN #4/60
 16'-1" TO 18' -- TWELVE #4/60
 18'-1" TO 20' -- THIRTEEN #4/60
 20'-1" TO 22' -- FOURTEEN #4/60
 22'-1" TO 24' -- FIFTEEN #4/60
 24'-1" TO 26' -- SIXTEEN #4/60
 26'-1" TO 28' -- SEVENTEEN #4/60
 28'-1" TO 30' -- EIGHTEEN #4/60
 30'-1" TO 32' -- NINETEEN #4/60
 32'-1" TO 34' -- TWENTY #4/60
 34'-1" TO 36' -- TWENTY-ONE #4/60
 36'-1" TO 38' -- TWENTY-TWO #4/60
 38'-1" TO 40' -- TWENTY-THREE #4/60
 40'-1" TO 42' -- TWENTY-FOUR #4/60
 42'-1" TO 44' -- TWENTY-FIVE #4/60
 44'-1" TO 46' -- TWENTY-SIX #4/60
 46'-1" TO 48' -- TWENTY-SEVEN #4/60
 48'-1" TO 50' -- TWENTY-EIGHT #4/60
 50'-1" TO 52' -- TWENTY-NINE #4/60
 52'-1" TO 54' -- THIRTY #4/60
 54'-1" TO 56' -- THIRTY-ONE #4/60
 56'-1" TO 58' -- THIRTY-TWO #4/60
 58'-1" TO 60' -- THIRTY-THREE #4/60
 60'-1" TO 62' -- THIRTY-FOUR #4/60
 62'-1" TO 64' -- THIRTY-FIVE #4/60
 64'-1" TO 66' -- THIRTY-SIX #4/60
 66'-1" TO 68' -- THIRTY-SEVEN #4/60
 68'-1" TO 70' -- THIRTY-EIGHT #4/60
 70'-1" TO 72' -- THIRTY-NINE #4/60
 72'-1" TO 74' -- FORTY #4/60
 74'-1" TO 76' -- FORTY-ONE #4/60
 76'-1" TO 78' -- FORTY-TWO #4/60
 78'-1" TO 80' -- FORTY-THREE #4/60
 80'-1" TO 82' -- FORTY-FOUR #4/60
 82'-1" TO 84' -- FORTY-FIVE #4/60
 84'-1" TO 86' -- FORTY-SIX #4/60
 86'-1" TO 88' -- FORTY-SEVEN #4/60
 88'-1" TO 90' -- FORTY-EIGHT #4/60
 90'-1" TO 92' -- FORTY-NINE #4/60
 92'-1" TO 94' -- FIFTY #4/60
 94'-1" TO 96' -- FIFTY-ONE #4/60
 96'-1" TO 98' -- FIFTY-TWO #4/60
 98'-1" TO 100' -- FIFTY-THREE #4/60
 100'-1" TO 102' -- FIFTY-FOUR #4/60
 102'-1" TO 104' -- FIFTY-FIVE #4/60
 104'-1" TO 106' -- FIFTY-SIX #4/60
 106'-1" TO 108' -- FIFTY-SEVEN #4/60
 108'-1" TO 110' -- FIFTY-EIGHT #4/60
 110'-1" TO 112' -- FIFTY-NINE #4/60
 112'-1" TO 114' -- SIXTY #4/60
 114'-1" TO 116' -- SIXTY-ONE #4/60
 116'-1" TO 118' -- SIXTY-TWO #4/60
 118'-1" TO 120' -- SIXTY-THREE #4/60
 120'-1" TO 122' -- SIXTY-FOUR #4/60
 122'-1" TO 124' -- SIXTY-FIVE #4/60
 124'-1" TO 126' -- SIXTY-SIX #4/60
 126'-1" TO 128' -- SIXTY-SEVEN #4/60
 128'-1" TO 130' -- SIXTY-EIGHT #4/60
 130'-1" TO 132' -- SIXTY-NINE #4/60
 132'-1" TO 134' -- SEVENTY #4/60
 134'-1" TO 136' -- SEVENTY-ONE #4/60
 136'-1" TO 138' -- SEVENTY-TWO #4/60
 138'-1" TO 140' -- SEVENTY-THREE #4/60
 140'-1" TO 142' -- SEVENTY-FOUR #4/60
 142'-1" TO 144' -- SEVENTY-FIVE #4/60
 144'-1" TO 146' -- SEVENTY-SIX #4/60
 146'-1" TO 148' -- SEVENTY-SEVEN #4/60
 148'-1" TO 150' -- SEVENTY-EIGHT #4/60
 150'-1" TO 152' -- SEVENTY-NINE #4/60
 152'-1" TO 154' -- EIGHTY #4/60
 154'-1" TO 156' -- EIGHTY-ONE #4/60
 156'-1" TO 158' -- EIGHTY-TWO #4/60
 158'-1" TO 160' -- EIGHTY-THREE #4/60
 160'-1" TO 162' -- EIGHTY-FOUR #4/60
 162'-1" TO 164' -- EIGHTY-FIVE #4/60
 164'-1" TO 166' -- EIGHTY-SIX #4/60
 166'-1" TO 168' -- EIGHTY-SEVEN #4/60
 168'-1" TO 170' -- EIGHTY-EIGHT #4/60
 170'-1" TO 172' -- EIGHTY-NINE #4/60
 172'-1" TO 174' -- NINETY #4/60
 174'-1" TO 176' -- NINETY-ONE #4/60
 176'-1" TO 178' -- NINETY-TWO #4/60
 178'-1" TO 180' -- NINETY-THREE #4/60
 180'-1" TO 182' -- NINETY-FOUR #4/60
 182'-1" TO 184' -- NINETY-FIVE #4/60
 184'-1" TO 186' -- NINETY-SIX #4/60
 186'-1" TO 188' -- NINETY-SEVEN #4/60
 188'-1" TO 190' -- NINETY-EIGHT #4/60
 190'-1" TO 192' -- HUNDRED #4/60
 192'-1" TO 194' -- HUNDRED-ONE #4/60
 194'-1" TO 196' -- HUNDRED-TWO #4/60
 196'-1" TO 198' -- HUNDRED-THREE #4/60
 198'-1" TO 200' -- HUNDRED-FOUR #4/60
 200'-1" TO 202' -- HUNDRED-FIVE #4/60
 202'-1" TO 204' -- HUNDRED-SIX #4/60
 204'-1" TO 206' -- HUNDRED-SEVEN #4/60
 206'-1" TO 208' -- HUNDRED-EIGHT #4/60
 208'-1" TO 210' -- HUNDRED-NINE #4/60
 210'-1" TO 212' -- HUNDRED-TEN #4/60
 212'-1" TO 214' -- HUNDRED-ELEVEN #4/60
 214'-1" TO 216' -- HUNDRED-TWENTY #4/60
 216'-1" TO 218' -- HUNDRED-TWENTY-ONE #4/60
 218'-1" TO 220' -- HUNDRED-TWENTY-TWO #4/60
 220'-1" TO 222' -- HUNDRED-TWENTY-THREE #4/60
 222'-1" TO 224' -- HUNDRED-TWENTY-FOUR #4/60
 224'-1" TO 226' -- HUNDRED-TWENTY-FIVE #4/60
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 228'-1" TO 230' -- HUNDRED-TWENTY-SEVEN #4/60
 230'-1" TO 232' -- HUNDRED-TWENTY-EIGHT #4/60
 232'-1" TO 234' -- HUNDRED-TWENTY-NINE #4/60
 234'-1" TO 236' -- HUNDRED-THIRTY #4/60
 236'-1" TO 238' -- HUNDRED-THIRTY-ONE #4/60
 238'-1" TO 240' -- HUNDRED-THIRTY-TWO #4/60
 240'-1" TO 242' -- HUNDRED-THIRTY-THREE #4/60
 242'-1" TO 244' -- HUNDRED-THIRTY-FOUR #4/60
 244'-1" TO 246' -- HUNDRED-THIRTY-FIVE #4/60
 246'-1" TO 248' -- HUNDRED-THIRTY-SIX #4/60
 248'-1" TO 250' -- HUNDRED-THIRTY-SEVEN #4/60
 250'-1" TO 252' -- HUNDRED-THIRTY-EIGHT #4/60
 252'-1" TO 254' -- HUNDRED-THIRTY-NINE #4/60
 254'-1" TO 256' -- HUNDRED-FORTY #4/60
 256'-1" TO 258' -- HUNDRED-FORTY-ONE #4/60
 258'-1" TO 260' -- HUNDRED-FORTY-TWO #4/60
 260'-1" TO 262' -- HUNDRED-FORTY-THREE #4/60
 262'-1" TO 264' -- HUNDRED-FORTY-FOUR #4/60
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 272'-1" TO 274' -- HUNDRED-FORTY-NINE #4/60
 274'-1" TO 276' -- HUNDRED-FIFTY #4/60
 276'-1" TO 278' -- HUNDRED-FIFTY-ONE #4/60
 278'-1" TO 280' -- HUNDRED-FIFTY-TWO #4/60
 280'-1" TO 282' -- HUNDRED-FIFTY-THREE #4/60
 282'-1" TO 284' -- HUNDRED-FIFTY-FOUR #4/60
 284'-1" TO 286' -- HUNDRED-FIFTY-FIVE #4/60
 286'-1" TO 288' -- HUNDRED-FIFTY-SIX #4/60
 288'-1" TO 290' -- HUNDRED-FIFTY-SEVEN #4/60
 290'-1" TO 292' -- HUNDRED-FIFTY-EIGHT #4/60
 292'-1" TO 294' -- HUNDRED-FIFTY-NINE #4/60
 294'-1" TO 296' -- HUNDRED-SIXTY #4/60
 296'-1" TO 298' -- HUNDRED-SIXTY-ONE #4/60
 298'-1" TO 300' -- HUNDRED-SIXTY-TWO #4/60
 300'-1" TO 302' -- HUNDRED-SIXTY-THREE #4/60
 302'-1" TO 304' -- HUNDRED-SIXTY-FOUR #4/60
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 320'-1" TO 322' -- HUNDRED-SEVENTY-THREE #4/60
 322'-1" TO 324' -- HUNDRED-SEVENTY-FOUR #4/60
 324'-1" TO 326' -- HUNDRED-SEVENTY-FIVE #4/60
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 338'-1" TO 340' -- HUNDRED-EIGHTY-TWO #4/60
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 342'-1" TO 344' -- HUNDRED-EIGHTY-FOUR #4/60
 344'-1" TO 346' -- HUNDRED-EIGHTY-FIVE #4/60
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 350'-1" TO 352' -- HUNDRED-EIGHTY-EIGHT #4/60
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 362'-1" TO 364' -- HUNDRED-NINETY-FOUR #4/60
 364'-1" TO 366' -- HUNDRED-NINETY-FIVE #4/60
 366'-1" TO 368' -- HUNDRED-NINETY-SIX #4/60
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 394'-1" TO 396' -- HUNDRED-TEN #4/60
 396'-1" TO 398' -- HUNDRED-ELEVEN #4/60
 398'-1" TO 400' -- HUNDRED-TWENTY #4/60
 400'-1" TO 402' -- HUNDRED-TWENTY-ONE #4/60
 402'-1" TO 404' -- HUNDRED-TWENTY-TWO #4/60
 404'-1" TO 406' -- HUNDRED-TWENTY-THREE #4/60
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 412'-1" TO 414' -- HUNDRED-TWENTY-SEVEN #4/60
 414'-1" TO 416' -- HUNDRED-TWENTY-EIGHT #4/60
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 424'-1" TO 426' -- HUNDRED-THIRTY-THREE #4/60
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 434'-1" TO 436' -- HUNDRED-THIRTY-EIGHT #4/60
 436'-1" TO 438' -- HUNDRED-THIRTY-NINE #4/60
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 446'-1" TO 448' -- HUNDRED-FORTY-FOUR #4/60
 448'-1" TO 450' -- HUNDRED-FORTY-FIVE #4/60
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 458'-1" TO 460' -- HUNDRED-FIFTY #4/60
 460'-1" TO 462' -- HUNDRED-FIFTY-ONE #4/60
 462'-1" TO 464' -- HUNDRED-FIFTY-TWO #4/60
 464'-1" TO 466' -- HUNDRED-FIFTY-THREE #4/60
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 468'-1" TO 470' -- HUNDRED-FIFTY-FIVE #4/60
 470'-1" TO 472' -- HUNDRED-FIFTY-SIX #4/60
 472'-1" TO 474' -- HUNDRED-FIFTY-SEVEN #4/60
 474'-1" TO 476' -- HUNDRED-FIFTY-EIGHT #4/60
 476'-1" TO 478' -- HUNDRED-FIFTY-NINE #4/60
 478'-1" TO 480' -- HUNDRED-SIXTY #4/60
 480'-1" TO 482' -- HUNDRED-SIXTY-ONE #4/60
 482'-1" TO 484' -- HUNDRED-SIXTY-TWO #4/60
 484'-1" TO 486' -- HUNDRED-SIXTY-THREE #4/60
 486'-1" TO 488' -- HUNDRED-SIXTY-FOUR #4/60
 488'-1" TO 490' -- HUNDRED-SIXTY-FIVE #4/60
 490'-1" TO 492' -- HUNDRED-SIXTY-SIX #4/60
 492'-1" TO 494' -- HUNDRED-SIXTY-SEVEN #4/60
 494'-1" TO 496' -- HUNDRED-SIXTY-EIGHT #4/60
 496'-1" TO 498' -- HUNDRED-SIXTY-NINE #4/60
 498'-1" TO 500' -- HUNDRED-SEVENTY #4/60
 500'-1" TO 502' -- HUNDRED-SEVENTY-ONE #4/60
 502'-1" TO 504' -- HUNDRED-SEVENTY-TWO #4/60
 504'-1" TO 506' -- HUNDRED-SEVENTY-THREE #4/60
 506'-1" TO 508' -- HUNDRED-SEVENTY-FOUR #4/60
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 510'-1" TO 512' -- HUNDRED-SEVENTY-SIX #4/60
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 514'-1" TO 516' -- HUNDRED-SEVENTY-EIGHT #4/60
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 518'-1" TO 520' -- HUNDRED-EIGHTY #4/60
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 544'-1" TO 546' -- HUNDRED-NINETY-THREE #4/60
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 552'-1" TO 554' -- HUNDRED-NINETY-SEVEN #4/60
 554'-1" TO 556' -- HUNDRED-NINETY-EIGHT #4/60
 556'-1" TO 558' -- HUNDRED-NINETY-NINE #4/60
 558'-1" TO 560' -- HUNDRED #4/60
 560'-1" TO 562' -- HUNDRED-ONE #4/60
 562'-1" TO 564' -- HUNDRED-TWO #4/60
 564'-1" TO 566' -- HUNDRED-THREE #4/60
 566'-1" TO 568' -- HUNDRED-FOUR #4/60
 568'-1" TO 570' -- HUNDRED-FIVE #4/60
 570'-1" TO 572' -- HUNDRED-SIX #4/60
 572'-1" TO 574' -- HUNDRED-SEVEN #4/60
 574'-1" TO 576' -- HUNDRED-EIGHT #4/60
 576'-1" TO 578' -- HUNDRED-NINE #4/60
 578'-1" TO 580' -- HUNDRED-TEN #4/60
 580'-1" TO 582' -- HUNDRED-ELEVEN #4/60
 582'-1" TO 584' -- HUNDRED-TWENTY #4/60
 584'-1" TO 586' -- HUNDRED-TWENTY-ONE #4/60
 586'-1" TO 588' -- HUNDRED-TWENTY-TWO #4/60
 588'-1" TO 590' -- HUNDRED-TWENTY-THREE #4/60
 590'-1" TO 592' -- HUNDRED-TWENTY-FOUR #4/60
 592'-1" TO 594' -- HUNDRED-TWENTY-FIVE #4/60
 594'-1" TO 596' -- HUNDRED-TWENTY-SIX #4/60
 596'-1" TO 598' -- HUNDRED-TWENTY-SEVEN #4/60
 598'-1" TO 600' -- HUNDRED-TWENTY-EIGHT #4/60
 600'-1" TO 602' -- HUNDRED-TWENTY-NINE #4/60
 602'-1" TO 604' -- HUNDRED-THIRTY #4/60
 604'-1" TO 606' -- HUNDRED-THIRTY-ONE #4/60
 606'-1" TO 608' -- HUNDRED-THIRTY-TWO #4/60
 608'-1" TO 610' -- HUNDRED-THIRTY-THREE #4/60
 610'-1" TO 612' -- HUNDRED-THIRTY-FOUR #4/60
 612'-1" TO 614' -- HUNDRED-THIRTY-FIVE #4/60
 614'-1" TO 616' -- HUNDRED-THIRTY-SIX #4/60
 616'-1" TO 618' -- HUNDRED-THIRTY-SEVEN #4/60
 618'-1" TO 620' -- HUNDRED-THIRTY-EIGHT #4/60
 620'-1" TO 622' -- HUNDRED-THIRTY-NINE #4/60
 622'-1" TO 624' -- HUNDRED-FORTY #4/60
 624'-1" TO 626' -- HUNDRED-FORTY-ONE #4/60
 626'-1" TO 628' -- HUNDRED-FORTY-TWO #4/60
 628'-1" TO 630' -- HUNDRED-FORTY-THREE #4/60
 630'-1" TO 632' -- HUNDRED-FORTY-FOUR #4/60
 632'-1" TO 634' -- HUNDRED-FORTY-FIVE #4/60
 634'-1" TO 636' -- HUNDRED-FORTY-SIX #4/60
 636'-1" TO 638' -- HUNDRED-FORTY-SEVEN #4/60
 638'-1" TO 640' -- HUNDRED-FORTY-EIGHT #4/60
 640'-1" TO 642' -- HUNDRED-FORTY-NINE #4/60
 642'-1" TO 644' -- HUNDRED-FIFTY #4/60
 644'-1" TO 646' -- HUNDRED-FIFTY-ONE #4/60
 646'-1" TO 648' -- HUNDRED-FIFTY-TWO #4/60
 648'-1" TO 650' -- HUNDRED-FIFTY-THREE #4/60
 650'-1" TO 652' -- HUNDRED-FIFTY-FOUR #4/60
 652'-1" TO 654' -- HUNDRED-FIFTY-FIVE #4/60
 654'-1" TO 656' -- HUNDRED-FIFTY-SIX #4/60
 656'-1" TO 658' -- HUNDRED-FIFTY-SEVEN #4/60
 658'-1" TO 660' -- HUNDRED-FIFTY-EIGHT #4/60
 660'-1" TO 662' -- HUNDRED-FIFTY-NINE #4/60
 662'-1" TO 664' -- HUNDRED-SIXTY #4/60
 664'-1" TO 666' -- HUNDRED-SIXTY-ONE #4/60
 666'-1" TO 668' -- HUNDRED-SIXTY-TWO #4/60
 668'-1" TO 670' -- HUNDRED-SIXTY-THREE #4/60
 670'-1" TO 672' -- HUNDRED-SIXTY-FOUR #4/60
 672'-1" TO 674' -- HUNDRED-SIXTY-FIVE #4/60
 674'-1" TO 676' -- HUNDRED-SIXTY-SIX #4/60
 676'-1" TO 678' -- HUNDRED-SIXTY-SEVEN #4/60
 678'-1" TO 680' -- HUNDRED-SIXTY-EIGHT #4/60
 680'-1" TO 682' -- HUNDRED-SIXTY-NINE #4/60
 682'-1" TO 684' -- HUNDRED-SEVENTY #4/60
 684'-1" TO 686' -- HUNDRED-SEVENTY-ONE #4/60
 686'-1" TO 688' -- HUNDRED-SEVENTY-TWO #4/60
 688'-1" TO 690' -- HUNDRED-SEVENTY-THREE #4/60
 690'-1" TO 692' -- HUNDRED-SEVENTY-FOUR #4/60
 692'-1" TO 694' -- HUNDRED-SEVENTY-FIVE #4/60
 694'-1" TO 696' -- HUNDRED-SEVENTY-SIX #4/60
 696'-1" TO 698' -- HUNDRED-SEVENTY-SEVEN #4/60
 698'-1" TO 700' -- HUNDRED-SEVENTY-EIGHT #4/60
 700'-1" TO 702' -- HUNDRED-SEVENTY-NINE #4/60
 702'-1" TO 704' -- HUNDRED-EIGHTY #4/60
 704'-1" TO 706' -- HUNDRED-EIGHTY-ONE #4/60
 706'-1" TO 708' -- HUNDRED-EIGHTY-TWO #4/60
 708'-1" TO 710' -- HUNDRED-EIGHTY-THREE #4/60
 710'-1" TO 712' -- HUNDRED-EIGHTY-FOUR #4/60
 712'-1" TO 714' -- HUNDRED-EIGHTY-FIVE #4/60
 714'-1" TO 716' -- HUNDRED-EIGHTY-SIX #4/60
 716'-1" TO 718' -- HUNDRED-EIGHTY-SEVEN #4/60
 718'-1" TO 720' -- HUNDRED-EIGHTY-EIGHT #4/60
 720'-1" TO 722' -- HUNDRED-EIGHTY-NINE #4/60
 722'-1" TO 724' -- HUNDRED-NINETY #4/60
 724'-1" TO 726' -- HUNDRED-NINETY-ONE #4/60
 726'-1" TO 728' -- HUNDRED-NINETY-TWO #4/60
 728'-1" TO 730' -- HUNDRED-NINETY-THREE #4/60
 730'-1" TO 732' -- HUNDRED-NINETY-FOUR #4/60
 732'-1" TO 734' -- HUNDRED-NINETY-FIVE #4/60
 734'-1" TO 736' -- HUNDRED-NINETY-SIX #4/60
 736'-1" TO 738' -- HUNDRED-NINETY-SEVEN #4/60
 738'-1" TO 740' -- HUNDRED-NINETY-EIGHT #4/60
 740'-1" TO 742' -- HUNDRED-NINETY-NINE #4/60
 742'-1" TO 744' -- HUNDRED #4/60
 744'-1" TO 746' -- HUNDRED-ONE #4/60
 746'-1" TO 748' -- HUNDRED-TWO #4/60
 748'-1" TO 750' -- HUNDRED-THREE #4/60
 750'-1" TO 752' -- HUNDRED-FOUR #4/60
 752'-1" TO 754' -- HUNDRED-FIVE #4/60
 754'-1" TO 756' -- HUNDRED-SIX #4/60
 756'-1" TO 758' -- HUNDRED-SEVEN #4/60
 758'-1" TO 760' -- HUNDRED-EIGHT #4/60
 760'-1" TO 762' -- HUNDRED-NINE #4/60
 762'-1" TO 764' -- HUNDRED-TEN #4/60
 764'-1" TO 766' -- HUNDRED-ELEVEN #4/60
 766'-1" TO 768' -- HUNDRED-TWENTY #4/60
 768'-1" TO 770' -- HUNDRED-TWENTY-ONE #4/60
 770'-1" TO 772' -- HUNDRED-TWENTY-TWO #4/60
 772'-1" TO 774' -- HUNDRED-TWENTY-THREE #4/60
 774'-1" TO 776' -- HUNDRED-TWENTY-FOUR #4/60
 776'-1" TO 778' -- HUNDRED-TWENTY-FIVE #4/60
 778'-1" TO 780' -- HUNDRED-TWENTY-SIX #4/60
 780'-1" TO 782' -- HUNDRED-TWENTY-SEVEN #

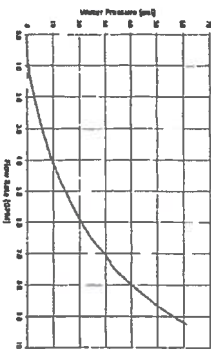
Dimensions



Flow Rates

Temperature Rise (°F)	30	40	46	50	60	70	80	90	100
Flow Rate (GPM)	9.3	8.6	7.7	7.0	5.8	4.9	4.3	3.6	3.2
CA199-DV	9.4	8.3	7.2	6.5	5.4	4.6	4.0	3.6	3.2

DHW Pressure Loss



Specifications

Model Name	CA199-DV	CA199-DV
Weight	50 lbs (22.7 kg)	50 lbs (22.7 kg)
Operating Pressure	15 - 150 psi	15 - 150 psi
Gas Supply Pressure	NC, 15" - 14.5" LP, 40" - 14.0"	NC, 15" - 14.5" LP, 40" - 14.0"
Water Holding Capacity	Under 2 Gallons	Under 2 Gallons
Water Inlet	3/4"	3/4"
Hot Water Outlet	3/4"	3/4"
Gas Inlet	3/4"	3/4"
Condensate Drain	1/2" Threaded	1/2" Threaded
Auto Feed-In Inlet	3/4"	3/4"
Heating Supply	1"	1"
Heating Return	1"	1"
Power	120VAC, 60Hz	120VAC, 60Hz
Consumption	187W/11.1kW, 11.1kW	187W/11.1kW, 11.1kW
Freeze Protection	4°F (5.0°C) - 40°F (4.0°C)	4°F (5.0°C) - 40°F (4.0°C)
Domestic Temperature	Normal Temp: 90-120°F, 160°F Temp: 111-140°F (in 1°F intervals)	Normal Temp: 90-120°F, 160°F Temp: 111-140°F (in 1°F intervals)
Hot Water Settings	Normal Temp: 120-140°F, 160°F Temp: 145-160°F (in 1°F intervals)	Normal Temp: 120-140°F, 160°F Temp: 145-160°F (in 1°F intervals)
Heating	120-160°F	120-160°F

Heitz America reserves the right to discontinue, or change at any time, the designs and/or specifications of its products without notice.

Rev. 01/16



ORDINANCE NO. 12- 111

AN ORDINANCE AMENDING SECTION 105 (AMENDMENTS TO THE INTERNATIONAL FIRE CODE) OF PART 1 (FIRE PREVENTION CODE) OF ARTICLE 4 (FIRE PREVENTION) OF CHAPTER 8 (PUBLIC SAFETY) OF THE CODE OF THE CITY OF COLORADO SPRINGS 2001, AS AMENDED, PERTAINING TO AMENDMENT TO THE INTERNATIONAL FIRE CODE

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF COLORADO SPRINGS:

Section 1. That Section 105 (Amendments to the International Fire Code) of Part 1 (Fire Prevention Code) of Article 4 (Fire Prevention) of Chapter 8 (Public Safety) of the Code of the City of Colorado Springs 2001, as amended, is repealed and reordained to read as follows:

Appendix K Add a new Appendix K to read as follows:

**APPENDIX K
WILDLAND URBAN INTERFACE MITIGATION REQUIREMENTS
FOR THE HILLSIDE OVERLAY ZONE**

SECTION K101

K101.1 Scope. Wildfire Mitigation: Wildfire risk reduction techniques shall include monitored smoke alarm systems, sprinkler systems, fire resistant roofing materials which are class A (excluding solid wood roofing products) for all residential occupancies, a minimum class B on all other occupancies, fire resistive construction materials, and fuels management measures. Within the Hillside Overlay Zone, fuels management measures shall be utilized within the safety zone of applicable new building construction. "Fuels management" is defined as the modification of landscaping and ornamental vegetation within the safety zone. Fuels management requirements, as set forth below, are intended to protect structures from wildfire as well as to reduce fire from spreading to the wildland. The "safety zone" is defined as the area within thirty feet (30') of the

main structure or significant accessory structures, not to extend beyond the property line. As it is the City's desire to provide an environment safe from wildfire while maintaining the aesthetic qualities of the native hillside, the following wildfire risk reduction standards shall be required for all new building construction or reconstruction in the Hillside Overlay Zone, regardless of development plan approval date or initial construction plan approval, unless specifically exempted within this ordinance, and in accord with Section 7.3.504 of the Code of the City of Colorado Springs, as amended. Nothing in this ordinance herein is intended to be retroactive to existing homes not under the provisions of the Hillside Ordinance at the time of original construction.

SECTION K102 FUELS MANAGEMENT REQUIREMENTS

K102.1 Fuels Management. All lots with homes constructed or reconstructed after the adoption of this ordinance, within the Hillside Overlay Zone, regardless of development plan approval date, shall be subject to the following fuels management requirements:

K102.1.1 Safety Zone. Brush patches or clusters such as Gambel oak, Mountain mahogany, Rocky Mountain maple, chokecherry, etc. may be left, or planted, or allowed to grow in the safety zone, but shall be separated by clear areas of ten feet (10') or more of noncombustible materials or grass mowed to not more than four inches (4") in height.

K102.1.2 Clearance to Main Structure. No combustible brush, trees or shrubs such as Gambel oak, conifers, junipers and yews shall be allowed to be left, or planted, or allowed to grow within fifteen feet (15') of the main structure or significant accessory structure such as sheds, decks, and pergolas. The trunks of deciduous trees may be allowed to be planted up to 10 foot (10') from structures when approved by the *Fire Code Official*.

Exception: When approved by the *Fire Code Official*, small brush patches such as Gambel oak, Mountain mahogany, Rocky Mountain maple, chokecherry, etc. not exceeding one hundred square feet (100 sq. ft.) in size or trees, no larger than fifteen linear feet (15') in any direction, may be allowed to encroach into this zone. Vegetation must be maintained in accord with the applicable Colorado Springs Community Wildfire Protection Plan.

K102.1.3 Pruning of Limbs. Large trees shall not be allowed to have limbs overlap smaller trees or brush which creates ladder fuels, and shall be pruned of limbs to a height of up to ten feet (10') above the ground while maintaining a minimum of 70% of the crown. Certain tree clusters may be allowed if sufficient clear area is provided and approved by the *Fire Code Official*.

K102.1.4 Clearance of Tree Branches to Structures or Appurtenances. Character tree branches shall not extend over or under the roof or eaves, and the canopy or drip-line shall not be within fifteen feet (15') of a deck or similar combustible projection, wood burning appliance or chimney unless approved by the *Fire Code Official*. Character trees shall be defined as existing, mature overstory trees that are unique to the site: ie. species specific or large diameter (>12 inches) or wildlife essential (nesting habitat).

SECTION K103 FIRE PROTECTION SYSTEMS

K103.1 Scope. Fire protection system requirements for hillside homes shall only apply to the conditions listed below as specifically addressed within Section 7.3.504(E)(4) of the Code of the City of Colorado Springs. Fire protection system requirements do not apply to any home that is not subject to the requirements of the original Hillside Ordinance regardless of original construction or rebuild date.

K103.2 Fire Protection Systems. Homes upon lots within the Hillside Overlay Zone illustrated on development plans approved on or after April 1, 1993, shall be required to install a monitored fire alarm system or a fire sprinkler system when the lot lies beyond one thousand feet (1,000') along a cul-de-sac or lies beyond roadways with grades in excess of ten percent (10%) if roadways are the primary vehicular points of access to the home. Additionally, development plans which contain streets or lots which meet these criteria shall contain the following statement:

At a minimum, a monitored fire alarm system or alternatively, a fire sprinkler system is required for residences built upon the following lot(s). The Colorado Springs Fire Department shall review all building plans, determine system requirements and issue appropriate permits. A visual piping inspection must be secured through the Fire Department prior to requesting the framing inspection for fire sprinkler installations. Final inspection and approval of either system must be secured through the Fire Department prior to final inspection by the Building Department and/or occupancy of the residence. Current and subsequent homeowners shall maintain and keep in service required monitored fire alarm and/or fire sprinkler systems in accordance with applicable codes and standards.

SECTION K104 ROOF COVERINGS

K104.1 Fire Resistive Roofing Materials. After January 1, 2003, a class A roof covering (excluding solid wood roofing products) shall be installed on all residential occupancies and a minimum class B roof covering shall be installed on all remaining occupancies (not to replace class A where already required by

the Building Code). This shall be required at the time a permitted roofing or reroofing application is done within the limits of the City of Colorado Springs, Colorado, unless specifically approved by the *Fire Code Official*.

SECTION K105 HARDENED STRUCTURE

K105.1 Structure Protection. The following requirements shall be enforced for all homes constructed or reconstructed, after the adoption of this ordinance, within the Hillside Overlay Zone for ignition-resistant construction and fuels management:

1. A Class A roof covering (excluding solid wood materials) shall be installed on all Residential Occupancies and a minimum Class B roof covering shall be installed on remaining occupancies, unless otherwise permitted.

2. Exterior cladding, eaves and soffits shall be constructed of ignition-resistant materials approved by the *Fire Code Official*. Approved materials include, but are not limited to: fiber-cement board, stucco, masonry/brick, manufactured stone, and similar materials. Natural wood/cedar siding, hardboard, vinyl, and similar combustible materials are not allowed.

Exception: Natural wood or plastic products used for fascia, trim board materials and trim accents, such as corbels, false rafter tails, faux trusses, shutters and decorative vents material are allowed when painted or as approved.

3. For any portion of the attached structure with projections or overhangs, the area below the structure shall have all horizontal under-floor areas enclosed with ignition resistive materials such as those allowed in item 2, above.

Exception: Exposed heavy timber or dimensional log construction is allowed.

4. Exterior doors shall be noncombustible or solid core not less than one and three-fourths inches (1¾") thick. Windows within doors and glazed doors shall be tempered safety glass or multi-layered glazed panels.

Exception: Decorative single pane glazing in front entry doors is allowed.

5. Exterior windows shall be a minimum double pane. Tempered panes are preferable but not required by this Code.

6. All attic vents shall be screened with wire mesh or hardware cloth having openings no larger than one-eighth inch (1/8") unless an alternative design or product is allowed by the *Fire Code Official*. Soffit vents are allowed. Gable vents may be allowed but only as approved by the *Fire Code Official*.

7. Gutters and downspouts that are of non-combustible construction shall be installed such that the leading edge of the roof is finished with a metal drip edge so that no wood sheathing is exposed. The drip edge shall extend into the gutter. Vinyl gutters may be allowed, but must have a non-combustible landing area below the roof line, that is a minimum five foot (5') distance from the side of the structure or foundation. NOTE: gutter caps are highly encouraged as a home-owner maintenance item to prevent combustible debris from collecting in the trough.

8. Decks and other habitable spaces shall be of ignition resistant or non-combustible decking materials, such as composite or metal decking. Wood is not permitted to be used for the decking surface, but can be used for all large structural components and railings.

9. The base of exterior walls, posts or columns shall be protected on the bottom side with provisions such as fire resistant foam or wire mesh having openings no larger than one-eighth inch (1/8") to protect from ember intrusion and still permit weeping and moisture control.

10. Chimneys serving fireplaces, as well as other heating appliances in which solid or liquid fuels are used, shall have an approved spark arrestor or cap.

K105.2 Alternative Materials. Alternative materials or construction methods not specifically addressed in section K105.1 may be considered on a case-by-case basis if found to have comparable ignition-resistant properties and as approved by the *Fire Code Official*.

SECTION K106 REVIEW REQUIREMENTS

K106.1 Construction Permit Review Requirements: All requirements must be reviewed and approved by the *Fire Code Official* prior to permit issuance and prior to final inspection. A final fire department inspection to verify compliance will be required prior to issuance of the Certificate of Occupancy.

Section 2. This ordinance shall be in full force and effect from and after its final adoption and publication as provided by charter.

Section 3. In accord with City Charter § 3-90, this emergency ordinance shall be in full force and effect upon adoption.

Section 4. Council deems it appropriate that this ordinance be published by title and summary prepared by the City Clerk and that this ordinance shall be available for inspection and acquisition in the office of the City Clerk.


Introduced, read, passed on second reading and ordered published this 11th day of December, 2012.

Finally passed: January 8, 2013



Scott Hente, Council President

Mayor's Action:

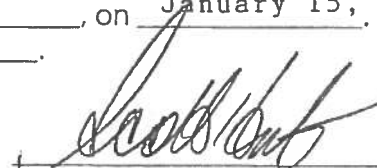
- ☒ Approved: 
☐ Disapproved: _____, based on the following objections:



Steve Bach, Mayor

Council Action:

- ☒ Finally adopted on a vote of 6 to 2, on January 15, 2013
☐ Amended and resubmitted _____.



Scott Hente, Council President

ATTEST:



Sarah B. Johnson, City Clerk

I HEREBY CERTIFY, that the foregoing ordinance entitled "AN ORDINANCE AMENDING SECTION 105 (AMENDMENTS TO THE INTERNATIONAL FIRE CODE) OF PART 1 (FIRE PREVENTION CODE) OF ARTICLE 4 (FIRE PREVENTION) OF CHAPTER 8 (PUBLIC SAFETY) OF THE CODE OF THE CITY OF COLORADO SPRINGS 2001, AS AMENDED, PERTAINING TO AMENDMENT TO THE INTERNATIONAL FIRE CODE" was introduced and read at a regular meeting of the City Council of the City of Colorado Springs, held on December 11, 2012; that said ordinance was finally passed at a regular meeting of the City Council of said City, held on the 8th day of January, 2013, and that the same was published by title and summary, in accordance with Section 3-80 of Article III of the Charter, in the Transcript, a newspaper published and in general circulation in said City, at least ten days before its passage.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of the City, this 15th day of January, 2013.



City Clerk

COLORADO SPRINGS FIRE PREVENTION
PLAN REVIEW AND INSPECTION REPORT V3 January 2, 2019

Project Description: Zabinski Residence, 1622 Cheyenne Blvd, New Hill Hide Home, Electronic Review

SYSTEMS: none required

CN/Code: 09 IBC - 09 IFC - 11 PPRBC/Class: R3/Const: VB/Stories:2 + BSM/T/Size: 3233/OL: n/a

FH/Required Flow: 1500 gpm /# Hydrants 1/On site flow: 1500

DV: Lot 13, Stratton Park Addition

Additional Comments: ignition resistant construction and fuels management required

Project Reminders

Business Name:

Address:

Plan Id: 20170540-HS-1

Plan Type: NEW RES HOME/HILLSID

Plan Status: Approved

Contractor: TRAILS END HOMEBUILDERS

PLAN REVIEWS

Review Status: APPROVED

Plan Reviewer: Withee, Doreen E

Review Date: 6/14/2017

Status

Comment

FYI

*****STANDARD COMMENT 1) This project is: Zabinski Residence, 1622 Cheyenne Blvd, New Hill Hide Home, Electronic Review

Date of Plans: 5.12.17

You can access our web site for the latest fire department plan review comments:

1. From www.pprbd.org, select PLAN REVIEW then FIND PLANS next COLORADO SPRINGS
2. Scroll down to the correct address. You may then select APPROVED/DISAPPROVED to view comments associated with that particular project.

FYI

(STANDARD COMMENT) ACCESS FOR FIREFIGHTING

FYI

Approved vehicle access for firefighting shall be provided to all construction/demolition sites. Vehicle access shall be either temporary or permanent roads, capable of supporting vehicle loading under all weather conditions. Vehicle access shall be maintained until permanent fire apparatus access roads are available. (2009 IFC 1410)

(STANDARD COMMENT) 150-FT ACCESS

FYI

Fire apparatus access roads shall be provided for every structure constructed or moved into or within the jurisdiction and shall be extended to within 150-feet of all exterior portions of the first story of any building. (2009 IFC 5503.1.1)

(STANDARD COMMENT) ADDRESSING

Address shall be posted on street addressed side of structure. Minimum 5" numbers with 1/2" stroke. Contrasting color to background. (2009 IFC 505.1)

FYI (STANDARD COMMENT) INCREASED WILDFIRE RISK.

Residing in or near the hillside overlay or wildland-urban interface areas involves increased fire risks that may not apply in urban or more urbanized types of developed communities.

FYI (STANDARD COMMENT) HILLSIDE ORDINANCE

This low/development is subject to the requirements of section of 20-4-10 5 CE (2) (Ordinances 93-48 and 93-49) of the City Code establishing minimum safety criteria for residential construction in the City's Hillside Areas. Ensure all landscaping complies with the wildfire interface specifications as required by the fire department and zoning/planning departments.

FYI (STANDARD COMMENT) SOC RESPONSE TIMES

Fire service response times to this area do not fall within the CSFD interim Standard of Response Coverage. The CSFD is unable to provide the following level of service:
- 90% of all emergencies reached within 8 minutes (first due company)
- 90% of structure fires requiring a full effective fire-fighting complement (2 engine companies, 1 ladder/truck company) within 12 minutes.

Attention (STANDARD COMMENT) FUELS MANAGEMENT

SAFETY ZONE:

Brush patches or clusters may be left in the safety zone, but shall be separated by clear areas of 10-feet or more of noncombustible materials or grass mowed to not more than 4-inches in height.

CLEARANCE TO MAIN STRUCTURE:

No combustible brush, trees or shrubs shall be allowed to be left, planted or allowed to grow within 15-feet of the main structure or significant accessory structure such as sheds, decks and pergolas. The trunks of deciduous trees may be allowed to be planted as close as 10-feet from structures where approved by the Fire Code Official.

Small brush patches not exceeding 100-square feet in size or trees no larger than 15 linear feet in any direction may be allowed to encroach into this zone.

PRUNING OF LIMBS:

Large trees shall not be allowed to have limbs overlap smaller trees or brush, creating ladder fuels, and shall be pruned of limbs to a height up to 10-feet while maintaining a minimum 70% of the tree's crown. Certain tree clusters may be permitted if sufficient clear area is provided and approved by the Fire Code Official.

CLEARANCE OF TREE BRANCHES TO STRUCTURES OR APPURTENANCES:

Character tree branches shall not extend over or under the roof or eaves, and the canopy or drip-line shall not be within 15-feet of a deck or similar combustible projection, wood burning appliance or chimney unless approved by the Fire Code Official.

For additional information concerning this issue - contact our Wildfire Mitigation Administrator at 385-7368 or www.springsgov.com/fire

Attention (STANDARD COMMENT) IGNITION-RESISTANT CONSTRUCTION is required for use.

1. Exterior cladding, eaves and soffits shall be constructed of ignition resistant materials, including but not limited to: fiber-cement board, stucco, masonry/brick, manufactured stone and similar materials. Natural wood/cedar siding, hardboard, vinyl and similar combustibles are not permitted. Natural wood or plastic products used for fascia, trim board materials and trim accents are allowed when painted or as approved.
2. For any portion of the attached structure with projections or overhangs, the area below shall have all horizontal under-floor areas enclosed with ignition resistive materials such as allowed in item 1 above.
3. Exterior doors shall be noncombustible or solid core not less than 1 3/4-inches thick. Windows within doors and glazed doors shall be tempered safety glass or multi-layered glazed panels.
4. Exterior windows shall be a minimum double pane. Tempered panes are preferable but not required.
5. All attic vents shall be screen with wire mesh or hardware cloth having openings no larger than 1/8-inch. Soffit vents are permitted, gable vents may be allowed as approved by the Fire Code Official.
6. Gutters and downspouts of non-combustible construction shall be installed such that the leading edge of the roof is finished with a metal drip edge so that no wood sheathing is exposed. Drip edge shall extend into the gutter. Vinyl gutters may be allowed but must have a noncombustible landing area below the roof line, a minimum of 5-feet from the side of the structure/foundation.

FYI

7. Decks and other habitable spaces shall be of ignition resistant or non-combustible decking materials, such as metal or composite materials. Wood is permitted for use for large structural components and railings (ie vertical members).
 8. The base of exterior walls, posts or columns shall be protected on the bottom side with provision such as fire resistant foam or wire mesh having openings no larger than 1/8-inch.
 9. Chimneys serving fireplaces, and other solid or liquid fueled heating appliances shall have an approved spark arrestor or cap.
- (STANDARD COMMENT) CLASS A ROOFING

Attention

A Class A roof covering (excluding solid wood roofing products) shall be installed on all Residential Occupancies and a minimum Class B roof covering shall be installed on all remaining occupancies (Not to replace Class A where already required by Table 15-A) at the time an application is made for a roofing or re-roofing building permit within the limits of the City of Colorado Springs, Colorado.

(STANDARD COMMENT) CONSTRUCTION PERMIT REVIEW REQUIREMENTS:

Plans for any structure lying within the Hillside Overlay area must be approved by the Colorado Springs Fire Department Construction Services prior to issuance of a building permit.

Final approval by CSFD on all permits issued by RBD is required prior to issuance of the Certificate of Occupancy.

FYI

****(STANDARD COMMENT) FIRE FLOW/HYDRANT REQUIREMENTS MET:

On this site the theoretical water flows are -1500--- gpm, and the numbers of hydrant(s) are -2---.

This site, based upon the provided theoretical modeled fire flows, appear to meet the minimum flow requirements and/or the number of hydrant(s) for this structure.

FYI

(STANDARD COMMENT) FIRE FLOW TEST RESULTS REQUIRED:

ACTUAL FIRE FLOW TEST RESULTS DATED WITHIN 5 YEARS MUST BE PROVIDED.

PUBLIC/CITY OWNED HYDRANTS: Contact SEAN HIGBEE, CSU at 668-4595 or via email at shigbee@csu.org to schedule an ACTUAL flow test. Be sure to provide them with a CSFD plan review number to include with their flow reports. CSFD need not be present when City Utilities flow tests hydrants as we will accept their reports. PLEASE ALLOW 1-2 WEEKS NOTICE

PRIVATE HYDRANTS: Contact your assigned inspector below to schedule a flow test of PRIVATE OWNED hydrants. A contractor capable of performing the test will be required as CSFD Inspectors WITNESS only. CSFD will not accept flow tests we have not witnessed.

FYI

(STANDARD COMMENT) FIRE FLOW TEST RESULTS REQUIRED - EXISTING HYDRANTS:

Actual hydrant flow test results dated within 5 years shall be provided prior to the arrival of combustible material on the construction site.

FYI

(STANDARD COMMENT) PERMITS

FYI

Insure all applicable permits are obtained from the Regional Building Department and the Colorado Springs Fire Department for the work that is being done at this site.

(STANDARD COMMENT) REVIEWS:

Colorado Springs Fire Department plan reviews are based upon information provided on the drawings and/or the attached reference material. Issues or features that are not presented within the construction documents are assumed to be complaint with applicable codes/standards. It is the responsibility of the building owner to ensure that minimum code requirements are met as established by the Authority Having Jurisdiction, whether or not the requirements are specifically indicated on the submitted construction documents.

The CSFD has reviewed the submittal in accordance with the adopted fire code requirements, CSFD local amendments, City Code Standards, and applicable NFPA Standards. All plan review comments are subject to final on-site field inspections, and testing by the CSFD. Review and approval by the CSFD shall not relieve the applicant of the responsibility of compliance with the International Fire Code.

(105.4.4)

FYI

****(STANDARD COMMENT 10) SCHEDULING INSPECTIONS

-xxx---2017 Fee Schedule, --2--- inspections/-2--- hours (Inspection time is not transferrable)

Please call 719-385-5982 Extension 2 to schedule all construction related inspection activities. You will need to schedule an inspection at the time of Framing and a final inspection near completion.

Due to the dynamic nature of inspectors schedules, PLEASE call your inspection requests in with ample time to allow scheduling. When calling, please have your complete CSFD plan review number(s) ready for each inspection request. (i.e. 2013-1234 - HS-1)

The CSFD Approved sets of plans are to be on site for all inspections.

Review Status: DISAPPROVED

Plan Reviewer: Taylor IL Wyman L

Review Date: 5/24/2017

Status

FYI

Comment

****(STANDARD COMMENT 1) This project is: Zabinski Residence, 1622 Cheyenne Blvd, New Hill Hide Home, Electronic Review

Date of Plans: 5/12/17

You can access our web site for the latest fire department plan review comments:

1. From www.pprtd.org, select PLAN REVIEW then FIND PLANS next COLORADO SPRINGS
2. Scroll down to the correct address. You may then select APPROVED/DISAPPROVED to view comments associated with that particular project.

****(STANDARD COMMENT) DISAPPROVED COMMENTS

The following information and/or corrections are needed prior to completing a full plan review. Please respond, in writing on letterhead, to each of the following comments:

1. Provide CSU Fire Flow Report, and show location of fire hydrants on your site plan.
2. Ignition Resistant construction is required per the CSFD Hill side design manual. This manual can be found at:

https://csfd.coloradosprings.gov/sites/default/files/fire/images/hillside_design_manual_kms_061714.pdf

Materials to be used must be specified on your plans.

3. Ceilings of exterior overhangs must be ignition resistant (see Hill Side Design Manual). The ceiling material to be used must be specified on your plans.
4. Complete the Residential Construction Plan Review Submittal Form that can be found at:

https://csfd.coloradosprings.gov/sites/csfd.coloradosprings.gov/files/residential_plan_submittal_form_2016_new.pdf

Also review the disapproved plans for additional written comments prior to submittal of new plans.

Disapproved

(STANDARD COMMENT) NO RESIDENTIAL PLAN REVIEW SUBMITTAL FORM

Please copy, fill out, and submit the "Residential Plan Review Submittal Form" for all hillside home plans submitted to CSFD. Without this requested information we can not do a complete review of your submittals.

Disapproved

(STANDARD COMMENT) HYDRANT LOCATIONS NOT PROVIDED OR NOTED

Your plans do not indicate where the existing hydrants are located.

Disapproved

(DISAPPROVED) FIRE FLOW REPORT NOT PROVIDED

Provide confirmation on the fire flow results from Colorado Springs Utilities. A copy of their report for this area is required to be provided with your plan submittals.

When multiple fire flows are provided from CSU, please indicate all flows on your submitted plans.

Disapproved

NOTE - To request a fire flow report, please go to: <https://www.csu.org/Pages/construction-drawing-review.aspx>
(STANDARD COMMENT) ZONING APPROVAL

Disapproved

The City Zoning approved site plan for this site was NOT submitted with this submittal. An approved site plan must be attached to each set of building plans.
(STANDARD COMMENT) INAPPROPRIATE ROOFING MATERIALS

FYI

Class A roofing materials are required for all Residential Occupancies within the City limits of Colorado Springs, Colorado.
(STANDARD COMMENT) THE DISAPPROVED ITEMS MAY NOT CONSTITUTE A COMPLETE LIST OF VIOLATIONS.

FYI

It is the responsibility of the design professional to conduct a complete re-review of the plans for additional violations of the adopted codes/standards and incorrect information prior to resubmitting.
(STANDARD COMMENT) CORRECTIONS

All corrections and comments are to be submitted back to CSFD in writing, or provide submittal sheets/drawings, etc as requested, to complete the review. Corrections are not accepted over the phone, via fax or verbally.

INSPECTIONS

Inspection Id: 201703897

Originally Assigned Inspector: King, Brenda L

Responsible Party:

Inspection Status: ISSUED

Reinspect Date:

Assigned Station:

Shift:

Inspector Activities

Inspector
King, Brenda L

Inspection Date
06/14/2017

Elapsed Tim

No of Inspectors
1

CSFD Unit

Comments

Corrected?

Correct By Date

COLORADO SPRINGS FIRE BOARD OF APPEALS' TERMS
AS OF 01/04/2019

Fire Board of Appeals Member	Industry Represented	Original Appointment Date	Expiration Date	Currently Serving Term #
Christy Riggs	Architect	3/12/2013	4/28/2019	2
Vince Colarelli	Building Contractor	4/21/2008	4/28/2020	4
Dean Doiron	Citizen At-Large	8/24/2010	4/28/2019	3
Roger Wallace	Fire Suppression	9/12/2006	4/28/2021	5
John Putnam	Insurance	7/28/2015	4/28/2018*	1
David Helmer	Large Business	8/24/2010	4/28/2020	4
(Vacant since 11/2016)	Small Business	N/A	N/A	N/A

*Per Assistant to Council Jacquelyn Puett, a request for John Putnam's reappointment to Fire Board of Appeals will go before City Council on January 8, 2019. If approved, Mr. Putnam's term will expire on 04/28/2021.